WF455ARG*

Washing Machine
user manual

Planet First 100% Recycled Paper

This manual is made with 100% recycled paper.

imagine the possibilities

Thank you for purchasing this Samsung product.
To receive more complete service or accessory parts, please register your product at or contact

www.samsung.com/register
1-800-SAMSUNG (726-7864)

ENERGY STAR

SAMSUNG

key features of your new Smart PowerFoam™ washer

1. VRT PLUS™ (Vibration Reduction Technology)

This Samsung washer minimizies noise and vibration with dual 3D vibration sensors and smart control technology, ensuring quiet operation.

2. The Largest Capacity

Samsung's extra-large capacity laundry machine can wash a full set of your bedding, a kingsize comforter, or up to 32 bath towels in a single load. Since you don't have to do as many loads, you save time, money, water, and energy.

3. PowerFoam™

Samsung's effective PowerForm delivers improved cleanliness with advanced fabric care. PowerFoam allows detergent to distribute evenly and penetrate fabrics faster and deeper.

4. PureCycle™(Tub Cleaning cycle)

Clean your drum with one button! This Pure Cycle is specially designed to remove detergent residue & dirt bulidup in the tub, diaphragm and door glass without the need for special chemical detergents.

5. SpeedSpray™

Samsung's new Speed Spray technology saves you up to 25%* more time when doing laundry by shortening wash times while still keeping all segments of the washing process and getting your clothes clean.

*Based on 8 pounds loads, Normal cycle (under Normal Soil level without any options), on previous and existing 4.3 cu.ft. Samsung front loading washers released until 2011 without Speed Spray.

**Speed Spray performs in Normal, Bedding PLUS, Deep Steam, Stain Away and Eco Cold cycle and the saving time may vary by cycles and various load and option compositions.

6. Deep steam

The Deep Steam feature boosts cleaning performance and loosens grime and dirt, thus providing superior cleaning results.

7. Smart Control

Samsung's innovative Smart Control technology enables you to control your washer through personal technologies such as smart phones. You don't have to be on standby until the cycle ends. Smart Control allows you to monitor the washing process and let you know when the cycle is complete.

8. Smart Care

Samsung's Smart Care, an automatic error-monitoring system, detects and diagnoses problems at an early stage and provides a quick and easy solution. With the innovative Smart Control technology, you can also be alerted when the problem occurs via your smart phones.

9. Stylish design

The stylish design of this washer blends well with your environment.

10. Digital Display & Center jog dial

The Jog dial enables you to select cycles in both directions with ease, and the display is easy to use and understand.

WF455AG-03159A_EN.indd Sec9:2 2012-04-13 11:59:19

11. DD Motor

The power to handle anything! Our direct-drive inverter motor delivers power right to the washer tub from a variable speed, reversible motor. A beltless direct-drive motor generates a higher spin speed of 1,300rpm for more effective, quiter operation. The washer also has fewer moving parts, meaning fewer repairs.

12. Sanitize

When selecting this cycle, the water heats to an extra high temperature to remove 99.9% of certain bacteria typically found on clothing, bedding, or towels. This certification is conducted by NSF International, an independent third-party testing and certification organization.

Please check the garment care label to avoid garment damage. Only sanitizing cycles have been designed to meet the requirements of this protocol for sanitization efficacy.

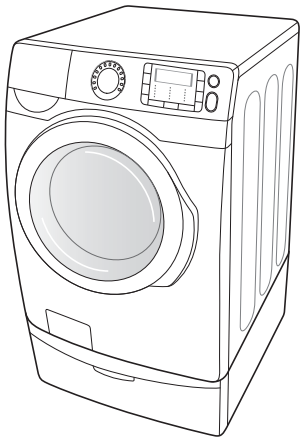
NSF Protocol P172
Sanitization Performance of Residential and Commercial, Family-Sized Clothes Washers

13. Pedestal with Storage Drawers (Model No : WE357*)

An optional 15" pedestal is available to raise the washer for easier loading and unloading. It also offers a built-in storage drawer that can hold a 100 oz. bottle of detergent

14. Stacking (Model No : SK-5A/XAA)

Samsung washers and dryers can be stacked to maximize usable space. An optional stacking kit is available for purchase from your Samsung retailer.



<Pedestal with Storage Drawers>

<Stacking>

WF455AG-03159A_EN.indd Sec9:3 2012-04-13 11:59:19

safety information

Congratulations on your new Samsung washer. This manual contains important information on the installation, use and care of your appliance. Please take time to read this manual to take full advantage of your washer's many benefits and features.

WHAT YOU NEED TO KNOW ABOUT SAFETY INSTRUCTIONS

The Warnings and Important Safety Instructions in this manual do not cover all possible conditions and situations that may occur. It is your responsibility to use common sense, caution, and care when installing, maintaining and operating your washer.

IMPORTANT SAFETY SYMBOLS AND PRECAUTIONS

What the icons and signs in this user manual mean:

⚠ **WARNING**	Hazards or unsafe practices that may result in **severe personal injury or death**. To reduce the risk of fire, explosion, electric shock, or personal injury when using your washer, follow these basic safety precautions:
⚠ **CAUTION**	Hazards or unsafe practices that may result in **minor personal injury or property damage**.

	Do NOT attempt.
	Do NOT disassemble.
	Do NOT touch.
	Follow directions explicitly.
	Unplug the power plug from the wall socket.
	Make sure the machine is grounded to prevent electric shock.
	Call the service center for help.
	Note

These warning signs are here to prevent injury to you and others.
Please follow them explicitly.
After reading this section, keep it in a safe place for future reference.

SAVE THESE INSTRUCTIONS

WF455AG-03159A_EN.indd Sec1:4 2012-04-13 11:59:20

⚠ WARNING

To reduce the risk of fire, electric shock, or injury to persons when using your appliance, follow basic precautions, including the following:

1. Read all instructions before using the appliance.
2. Do not wash or dry articles that have been previously cleaned in, washed in, soaked in, or spotted with gasoline, dry-cleaning solvents, other flammable or explosive substances as they give off vapors that could ignite or explode.
3. Do not allow children to play on or in the appliance. Close supervision of children is necessary when the appliance is used near children.
4. Before the appliance is removed from service or discarded, remove the door to the washing or drying compartment.
5. Do not reach into the appliance if the drum is moving.
6. Do not install or store this appliance where it will be exposed to the weather.
7. Do not tamper with controls.
8. Do not repair or replace any part of the appliance or attempt any servicing unless specifically recommended in the user-maintenance instructions or in published user-repair instructions that you understand and have the skills to carry out.
9. Do not add gasoline, dry-cleaning solvents, or other flammable or explosive substances to the wash water. These substances give off vapors that could ignite or explode.
10. Under certain conditions, hydrogen gas may be produced in a hot water system that has not been used for 2 weeks or more. HYDROGEN GAS IS EXPLOSIVE. If the hot water system has not been used for such a period, before using a washer or combination washer-dryer, turn on all hot water faucets and let the water flow from each for several minutes. This will release any accumulated hydrogen gas. As the gas is flammable, do not smoke or use an open flame during this time.

SAVE THESE INSTRUCTIONS

WF455AG-03159A_EN.indd Sec1:5 2012-04-13 11:59:20

safety information

WARNING CRITICAL INSTALLATION WARNINGS

Plug the power cord into an AC 120 V / 60 Hz / 15 A wall socket or higher and use the socket for this appliance only. In addition, do not use an extension cord.

- Sharing a wall socket with other appliances, using a power strip, or using an extension cord may result in electric shock or fire.
- Do not use an electric transformer. It may result in electric shock or fire.
- Ensure that the voltage, frequency, and amperage provided at the wall socket match the power specifications of the product.

The installation of this appliance must be performed by a qualified technician or service company.

- Failing to do so may result in electric shock, fire, an explosion, problems with the product, or injury.

Remove all foreign substances such as dust or water from the power plug terminals and contact points using a dry cloth on a regular basis.

- Unplug the power plug and clean it with a dry cloth.
- Failing to do so may result in electric shock or fire.

Plug the power plug into the wall socket in the right direction so that the cord runs towards the floor.

- If you plug the power plug into the socket in the opposite direction, the electric wires within the cable may be damaged and this may result in electric shock or fire.

This appliance must be properly grounded.
Do not ground the appliance to a gas pipe, plastic water pipe, or telephone line.

- Improper grounding may result in electric shock, fi re, an explosion, or problems with the product.
- Never plug the power cord into a socket that is not grounded correctly and make sure that it is in accordance with local and national codes.

Do not install this appliance near a heater or inflammable material.
Do not install this appliance in a humid, oily or dusty location, or in a location exposed to direct sunlight and water (rain drops).
Do not install this appliance in a location where gas may leak.

- This may result in electric shock or fire.

Plug the power plug into the wall socket firmly. Do not use a damaged power plug, damaged power cord, or loose wall socket.

- This may result in electric shock or fire.

Do not pull or excessively bend the power cord.
Do not twist or tie the power cord.
Do not hook the power cord over a metal object, place a heavy object on the power cord, insert the power cord between objects, or push the power cord into the space behind the appliance.

- This may result in electric shock or fire.

SAVE THESE INSTRUCTIONS

WF455AG-03159A_EN.indd Sec1:6 2012-04-13 11:59:20

Do not pull the power cord when unplugging the power plug.

- Unplug the power plug by holding the plug.
- Failing to do so may result in electric shock or fire.

If the power plug or power cord is damaged, contact your nearest service center.

CAUTION INSTALLATION CAUTIONS

Position the appliance so that the power plug is easily accessible.

- Failing to do so may result in electric shock or fire due to electric leakage.

Install your appliance on a level and hard floor that can support its weight.

- Failing to do so may result in abnormal vibrations, noise, or problems with the product.

Unplug the power plug when the appliance is not being used for long periods of time or during a thunder/lightning storm.

- Failing to do so may result in electric shock or fire.

WARNING CRITICAL USAGE WARNINGS

If the appliance is flooded, cut the power immediately and contact your nearest service center.
If the appliance emits a strange noise, a burning smell, or smoke,, unplug the power plug immediately and contact your nearest service center.

- Failing to do so may result in electric shock or fire.

In the event of a gas leak (such as propane gas, LP gas, etc.), ventilate immediately without touching the power plug. Do not touch the appliance or power cord.

- Do not use a ventilating fan.
- A spark may result in an explosion or fire.

Do not wash items contaminated with gasoline, kerosene, benzene, paint thinner, alcohol or other flammable or explosive substances.

- This may result in electric shock, fire or an explosion.

Do not open the washer door by force while the washer is operating (high-temperature washing/drying/spinning).

- Water flowing out of the washer may result in burns or cause the floor to be slippery. This may result in injury.
- Opening the door by force may result in damage to the product or personal injury.

Make sure to remove the packaging (sponge, styrofoam) attached to the bottom of the washer before using it.

Do not insert your hand under the washer.

- This may result in injury.

SAVE THESE INSTRUCTIONS

WF455AG-03159A_EN.indd Sec1:7 2012-04-13 11:59:20

Do not touch the power plug with wet hands.

- This may result in electric shock.

Do not turn the appliance off by unplugging the power plug while an operation is in progress.

- Plugging the power plug into the wall socket again may cause a spark and result in electric shock or fire.

Keep all packaging materials well out of the reach of children, as packaging materials can be dangerous to children.

- If a child places a bag over its head, it may result in suffocation.

Do not let children or infirm persons use this washer unsupervised.

- Failing to do so may result in electric shock, burns or injury.

Do not insert your hand or a metal object under the washer while it is operating.

- This may result in injury.

Make sure the detergent drawer is closed before you put laundry into the washer or remove laundry from the washer.

- If the detergent drawer is open, you could strike the drawer with your head and injure yourself.

Do not attempt to repair, disassemble, or modify the appliance yourself.

- Do not use any fuse (such as cooper, steel wire, etc.) other than the standard fuse.
- If you need to repair or reinstall the appliance, contact your nearest service center.
- Failing to do so may result in electric shock, fire, problems with the product, or injury.

If water has enters the appliance anywhere but the drum, unplug the power plug and contact your nearest service center.

- Failing to do so may result in electric shock or fire.

When the water supply hose comes loose from the faucet and floods the appliance, unplug the power plug.

- Failing to do so may result in electric shock or fire.

If any foreign substance enters the appliance, unplug the power plug and contact you nearest service center.

- Failing to do so my result in electric shock or fire.

CAUTION USAGE CAUTIONS

If the the washer is contaminated by a foreign substance such as detergent, dirt, food waste, etc., unplug the power plug and clean the washer using a damp, soft cloth.

- Failing to do so may result in discoloration, deformation, damage or rust.

If struck hard, the front glass can break. Take care when using the washer.

- If the glass is broken, it may result in injury.

SAVE THESE INSTRUCTIONS

WF455AG-03159A_EN.indd Sec1:8 2012-04-13 11:59:20

After a water supply failure or when reconnecting the water supply hose, open the faucet slowly.
Open the faucet slowly after a long period of non-use.

- The air pressure in the water supply hose or the water pipe may result in damage to a part or in water leakage.

If a drain error occurs during an operation, check if there is a drainage problem.

- If the washer is used when it is flooded because of a drainage problem,, it may result in electric shock or fire due to electric leakage.

Insert the laundry into the washer completely so that laundry does not get caught in the door.

- If laundry gets caught in the door, it may result in damage to the laundry or the washer, or result in water leakage.

Ensure that the faucet is turned off when the washer is not being used.

- Ensure that the screw on the water supply hose connector is firmly connected to the faucet and properly tightened.
- Failing to do so may result in property damage or injury.

Take care that the Rubber Seal and the Front Door Glass are not contaminated by a foreign substance (e.g. waste, thread, hair, etc.)

- If a foreign substance is caught in the door or the door is not completely closed, it may cause water leakage.

Open the faucet and check if the water supply hose connector is firmly tightened and that there is no water leaking before using the product.

- If the water supply hose connectors are loose, it may result in water leakage.

The product you have purchased is designed for domestic use only.

The use for business purposes qualifi es as product misuse. In this case, the product will not be covered by the standard warranty provided by Samsung and no responsibility can be attributed to Samsung for malfunctions or damages resulting from such misuse.

If the wash is not performed and the laundry is left for a period of time after adding detergent or applying stain remover or pre-treatment onto the laundry, the laundry may be discolored.

Select the recommended cycle and temperature on the basis of the laundry items, sort the laundry by color on the basis of its colorfastness and select the appropriate cycle.

Make sure that foreign objects such as pins, buttons and coins are removed from clothing items when adding laundry into the washer. Wash dirty laundry separately from relatively clean items and wash fragile items separately from tougher textiles.

If an item is stained, wash it as fast as possible. Use stain remover or detergent only after testing the colorfastness of the item by applying a small quantity to an inside seam.

SAVE THESE INSTRUCTIONS

WF455AG-03159A_EN.indd Sec1:9 2012-04-13 11:59:20

safety information

Do not stand on top of the appliance or place objects (such as laundry, lighted candles, lighted cigarettes, dishes, chemicals, metal objects, etc.) on the appliance.

- This may result in electric shock, fire, problems with the product, or injury.

Do not operate the appliance with wet hands.

- This may result in electric shock.

Do not spray volatile material such as insecticide onto the surface of the appliance.

- As well as being harmful to humans, it may also result in electric shock, fire or problems with the product.

Do not place an object that generates a electromagnetic field near the washer.

- This may result in injury due to a malfunction.

Since the water drained during a high-temperature wash or drying cycle is hot, do not touch the water.

- This may result in burns or injury.

Do not wash, spin or dry water-proof seats, mats or clothing (*).

- Do not wash thick, hard mats even if the washer mark is on the care label.
- This may result in injury or damage to the washer, walls, floor or clothing due to abnormal vibrations.

* Woolen bedding, rain covers, fishing vests, ski pants, sleeping bags, diaper covers, sweat suits, and bicycle, motor cycle, car covers, etc.

Do not operate the washer when the detergent box is removed.

- This may result in electric shock or injury due to water leakage.

Do not touch the inside of the tub during or just after drying as it is hot.

- This may result in burns.

Do not insert your hand into the detergent dispenser after opening it.

- This may result in injury as your hand may be caught.

Do not place any non-laundry objects, such as shoes, food waste, or animals into the washer.

- This can cause abnormal vibrations that can damage the washer, and, in the case of pets, cause severe injury or death.

Do not press the buttons using sharp objects such as pins, knifes, fingernails, etc.

- This may result in electric shock or injury.

Do not wash laundry contaminated by oils, creams or lotions usually found in skincare shops or massage clinics.

- This may result in the rubber seal becoming deformed and water leakage.

Do not leave metal objects (safety pins, hair pins, etc.) or bleach in the tub for long periods of time.

- This may cause the tub to rust.
- If rust appears on the surface of the tub, apply a neutral cleansing agent to the surface and use a sponge to clean it. Never use a metal brush.

SAVE THESE INSTRUCTIONS

WF455AG-03159A_EN.indd Sec1:10 2012-04-13 11:59:20

Do not use dry cleaning detergent directly and do not wash, rinse, or spin laundry contaminated by dry cleaning detergent.

- This may result in spontaneous combustion or ignition due to the heat from the oxidation of the oil.

Do not use hot water from water cooling/heating devices.

- This may result in problems with the washer.

Do not use natural hand-washing soap in the washer.

- If it hardens and accumulates inside the washer, it may result in problems with the product, discoloration, rust or bad odors.

Do not wash large laundry items such as bedding in the washing net.

- Failing to do so may result in injury due to abnormal vibrations.
- Place smaller items, such as lace socks and lingerie in the washing net.

Do not use hardened detergent.

- If it accumulates inside the washer, it may cause water leakage.

Do not wash throw rugs or doormats.

- If you wash throw rugs or doormats, sand will accumulate inside the washer. It may result in errors such as no draining.

Take care that children's fingers are not caught in the door when closing it.

- This may result in injury.

WARNING CRITICAL CLEANING INSTRUCTIONS

Do not clean the appliance by spraying water directly onto it.
Do not use benzene, thinner or alcohol to clean the appliance.

- This may result in discoloration, deformation, damage, electric shock or fire.

Before cleaning or performing maintenance, unplug the appliance from the wall socket.

- Failing to do so may result in electric shock or fire.

SAVE THESE INSTRUCTIONS

WF455AG-03159A_EN.indd Sec1:11 2012-04-13 11:59:20

safety information

REGULATORY NOTICE

1. FCC Notice

FCC CAUTION:

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with Part 15 of FCC Rules. Operation is Subject to following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received including interference that cause undesired operation.

For product available in the USA/Canada market, only channel 1~11 can be operated. Selection of other channels is not possible.

FCC STATEMENT:

This equipment has been tested and found to comply within the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna
- Increase the separation between the equipment and receiver
- Connect the equipment into an outlet on a different circuit from that to which the receiver is connected
- Consult the dealer or an experienced radio/TV technician for help.

FCC RADIATION EXPOSURE STATEMENT:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20cm between the radiator and your body. This device and its antenna(s) must not be co-located or operation in conjunction with any other antenna or transmitter.

SAVE THESE INSTRUCTIONS

WF455AG-03159A_EN.indd Sec1:12 2012-04-13 11:59:20

2. IC Notice

The term “IC” before the radio certification number only signifies that Industry Canada technical

specifications were met. Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

This Class B digital apparatus complies with Canadian ICES-003.
Cet appareil numérique de la classe B est conforme á la norme NMB-003 du Canada.

For product available in the USA/Canada market, only channel 1~11 can be operated. Selection of other channels is not possible.

IC RADIATION EXPOSURE STATEMENT:

This equipment complies with IC RSS-102 radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body. This device and its antenna(s) must not be co-located or operation in conjunction with any other antenna or transmitter.

SAVE THESE INSTRUCTIONS

WF455AG-03159A_EN.indd Sec1:13 2012-04-13 11:59:20

contents

INSTALLING YOUR WASHER 16

16 Unpacking your washer
16 Overview of your washer
17 Electrical
17 Grounding
17 Water
17 Drain facility
18 Flooring
18 Location considerations
18 Alcove or closet installation
18 Undercounter installation(washer only)
19 With optional pedestal base or stacking kit
20 Important note to installer

OPERATING INSTRUCTIONS 23

23 Loading your washer
23 Getting started

WASHING A LOAD OF LAUNDRY 24

24 Overview of the control panel
26 Delay Start
27 Child Lock
28 Spin Only
28 Drum Light
28 Garment+
28 My cycle
29 Steam
29 Smart Care
30 Washing clothes using the cycle selector
31 Setting the Smart Control
31 Configuring the wired/wireless sharer
31 Check before installation
32 Connecting to the network using the WPS setting
33 Connecting to the network using the AP setting
34 Downloading and running the mobile app, Samsung Smart Washer/Dryer App
36 Using the mobile App
36 Disconnecting the connection
36 Starting a new wash
38 Registering your washer
40 Quick guide for Wi-Fi setting and AP connecting
41 Quick guide for device certification
42 Detergent use
42 Features

WF455AG-03159A_EN.indd Sec6:14 2012-04-13 11:59:20

MAINTAINING YOUR WASHER 44

44 Cleaning the exterior
44 Cleaning the interior
45 Cleaning the dispensers
45 Storing your washer
46 Cleaning the debris filter
47 Cleaning the door seal/bellow
47 Preserving the top cover and the front frame
48 Pure Cycle™

TROUBLESHOOTING 49

49 Check these points if your washer…
51 Information codes
53 Network Setup Q&A

APPENDIX 55

55 Fabric care chart
56 Cycle chart
58 Helping the environment
58 Declaration of conformity
58 Specification
59 Open Source Announcement

WF455AG-03159A_EN.indd Sec6:15 2012-04-13 11:59:20

installing your washer

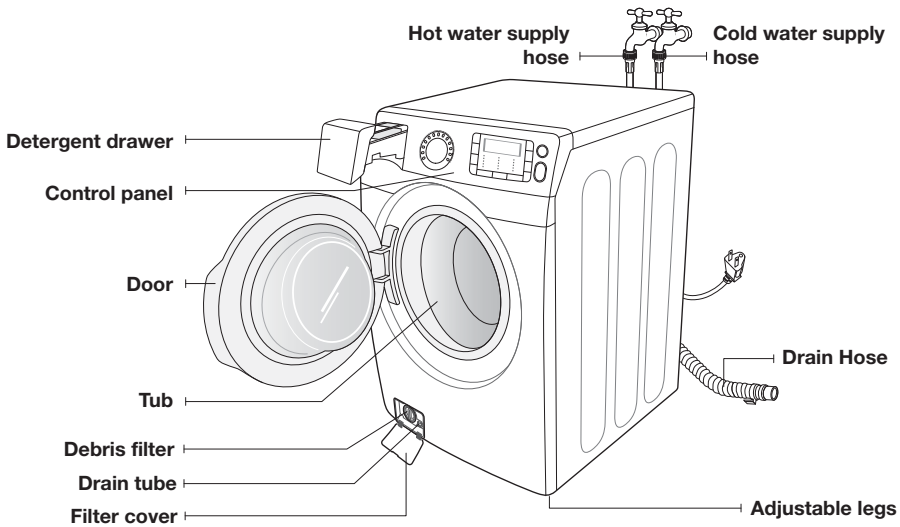
UNPACKING YOUR WASHER

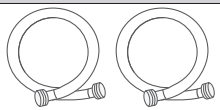
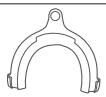
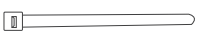
Unpack your Washer and inspect it for shipping damage. Make sure you have received all of the items shown below. If your Washer was damaged during shipping, or you do not have all of the items, contact 1-800-SAMSUNG(726-7864).

To prevent personal injury or strain, wear protective gloves whenever lifting or carrying the unit.

⚠ WARNING Packing materials can be dangerous to children; keep all packing material (plastic bags, polystyrene, etc.) well out of the reach of children.

OVERVIEW OF YOUR WASHER



Parts supplied		
Wrench	Bolt hole covers	 Water supply hoses
 Hose guide	User manual book	 Plastic zip hose tie
Tools needed		
Pliers	Flat screwdriver	

WF455AG-03159A_EN.indd Sec3:16 2012-04-13 11:59:20

BASIC LOCATION REQUIREMENTS

Electrical

- 120 Volt 60 Hz 15 AMP fuse or circuit breaker
- Individual branch circuit serving only your Washer is recommended.
- Your Washer is equipped with a power cord.

CAUTION NEVER USE AN EXTENSION CORD.

Grounding

ELECTRICAL GROUNDING IS REQUIRED ON THIS APPLIANCE.

This appliance must be grounded. In the event of malfunction or breakdown, grounding will reduce the risk of electric shock by providing a path of least resistance for electric current.

This appliance is equipped with a power cord having a three-prong grounding plug for use in a properly installed and grounded outlet.

The plug must be plugged into an appropriate outlet that is properly installed and grounded in accordance with all local codes and ordinances.

WARNING Improper connection of the equipment-grounding conductor can result in a risk of electrical shock. Check with a qualified electrician or serviceman if you are in doubt as to whether the appliance is properly grounded. Do not modify the plug provided with the appliance – if it does not fit the outlet, have a proper outlet installed by a qualified electrician.

IMPORTANT SAFETY PRECAUTIONS

- To prevent unnecessary risk of fire, electrical shock or personal injury, all wiring and grounding must be done in accordance with the National Electrical Code ANSI/FNPA, No. 70 Latest Revision and local codes and ordinances. It is the personal responsibility of the appliance owner to provide adequate electrical service for this appliance.

CAUTION NEVER CONNECT GROUND WIRE TO PLASTIC PLUMBING LINES, GAS LINES, OR HOT WATER PIPES.

Water

To correctly fill your Washer in the proper amount of time, water pressure of 20-116 psi (137-800kPa) is required.

Water pressure less than 20 psi may cause water valve failure, or may not allow the water valve to shut off completely. Or, it may extend the fill time beyond what your Washer controls allow, resulting in your Washer turning off. A time limit is built into the controls in the event of an internal hose becoming loose and flooding your home.

The water faucets must be within 4 feet/122 cm of the back of your Washer for the inlet hoses provided with your Washer.

Accessory inlet hoses are available in various lengths up to 10 feet/305cm for faucets that are further away from the back of your Washer.

To avoid the possibility of water damage:

- Have water faucets easily accessible
- Turn off faucets when the washer is not in use.
- Periodically check that there is no leakage from the water inlet hose fittings.

WARNING CHECK ALL CONNECTIONS AT THE WATER VALVE AND FAUCET FOR LEAKS.

CAUTION Using hard water or bad quality water may cause the water supply valve to operate abnormally.

Drain facility

The recommended height of the standpipe is 18 in/46 cm. The drain hose must be routed through the drain hose clip to the standpipe. The standpipe must be large enough to accept the outside diameter of the drain hose. The drain hose is attached at the factory.

WF455AG-03159A_EN.indd Sec3:17 2012-04-13 11:59:20

installing your washer

Flooring

For best performance, your Washer must be installed on a solidly constructed floor. Wood floors may need to be reinforced to minimize vibration and/or unbalanced load situations. Carpeting and soft tile surfaces are contributing factors in vibration may cause your washer to move slightly during the spin cycle.

Never install your washer on a platform or weakly supported structure.

Location considerations

Do not install your washer in areas where water may freeze, since your washer will always maintain some water in its water valve, pump, and hose areas. This can cause damage to the pump, hoses and other components.

Alcove or closet installation

MINIMUM CLEARANCES FOR CLOSET AND ALCOVE INSTALLATIONS:

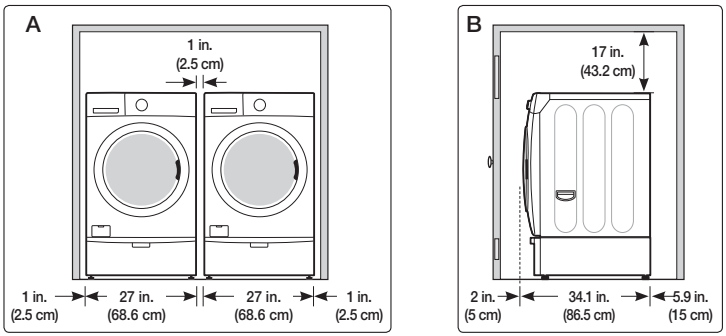
Sides – 1 in / 25 mm

Top – 17 in / 432 mm

Rear – 5.9 in / 150 mm

Closet Front – 2 in / 51 mm

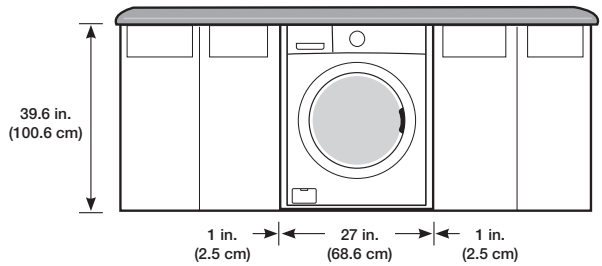
If the washer and dryer are installed together, the closet front must have at least a 72 in^2 (465 cm^2) unobstructed air opening. Your washer alone does not require a specific air opening.



A. Recessed area

B. Side view - closet or confined area

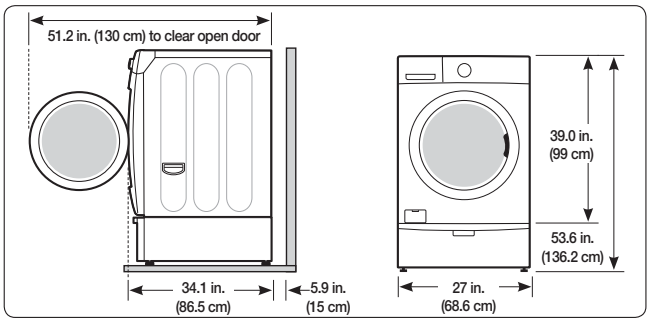
Undercounter installation(washer only)

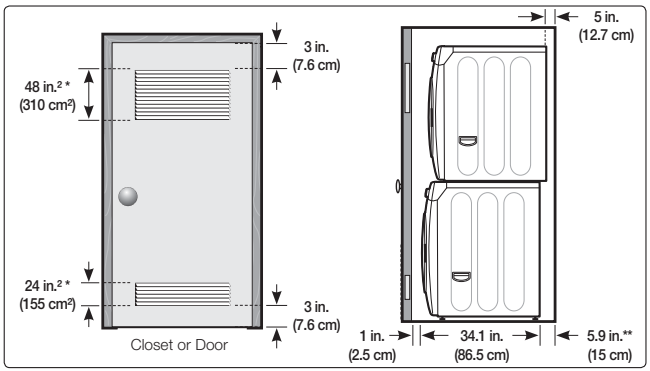


WF455AG-03159A_EN.indd Sec3:18 2012-04-13 11:59:21

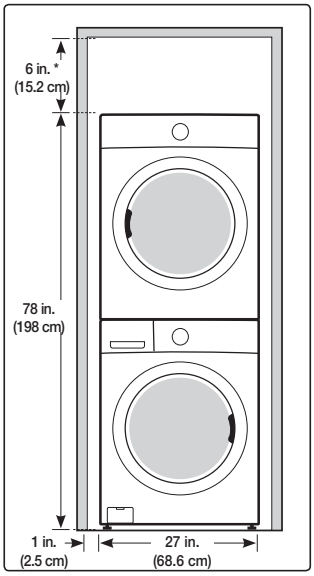
With optional pedestal base or stacking kit

Required Dimensions for Installation With Pedestal





Required Dimensions for Installation With Stacking Kit



It is not recommended to stack DV457* on your washer.
(it might be hard to control dryer LCD because of the viewing angle.)

*** Required spacing**

**** External exhaust elbow requires additional space.**

WF455AG-03159A_EN.indd Sec3:19 2012-04-13 11:59:21

installing your washer

IMPORTANT NOTE TO INSTALLER

Please read the following instructions carefully before installing your Washer.

These instructions should be retained for future reference.

We recommend you hire a professional for installation of this washer.

STEP 1
Selecting a Location

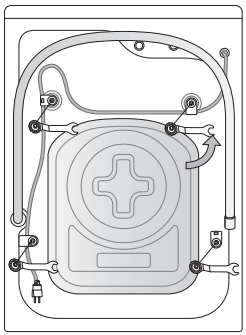
Before you install your washer, make sure the location:

- Has a hard, level surface without carpeting or flooring that may obstruct ventilation.
- Has no dust, oil and detergent etc.
- Is away from direct sunlight
- Has adequate ventilation
- Will not freeze (below 32°F or 0°C)
- Is away from heat sources such as oil or gas
- Has enough slack for the power cord.
- Doesn't have any carpeting that will obstruct ventilation openings.

STEP 2
Removing the Shipping Bolts

Before using your Washer, you must remove the four shipping bolts from the back of the unit.

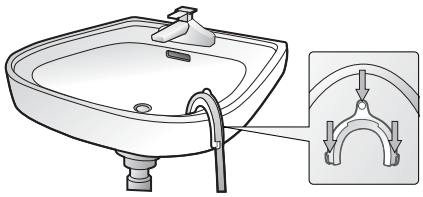
1. Loosen all the bolts with the supplied wrench.
2. Slide the bolt and spacer up and remove the bolt with the spacer through the hole in the rear wall of your washer. Repeat for each bolt.
3. Fill the holes with the supplied Bolt Hole Covers (See page 16).
4. Keep the shipping bolts and spacers for future use.

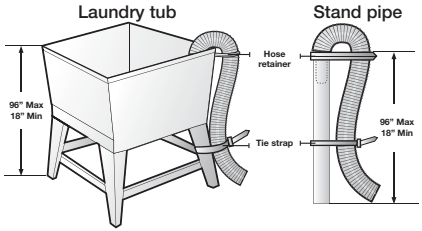


STEP 3
Installing your Washer

1. Place the drain hose in the drain facility. Be sure an airtight connection is NOT made between the drain hose and the standpipe. The standpipe must be at least 18 in or 46 cm high.

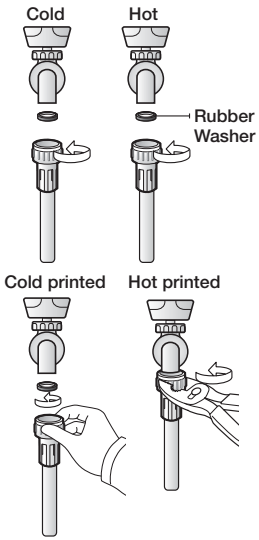
Caution must always be exercised to avoid collapsing or damaging the drain hose. For best results, the drain hose should not be restricted in any way – by elbows, couplings, or excessive lengths. For situations where the drain hose cannot be conveniently elevated to at least 18 in or 46 cm, the drain hose must be supported.





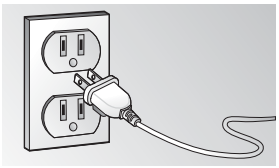
WF455AG-03159A_EN.indd Sec3:20 2012-04-13 11:59:21

2. Check the inlet hose to ensure a washer is inside each fill hose.
   Thread the inlet hoses to the HOT and COLD faucet connections.
   On the other end of the hose, check for one rubber washer per hose and install each fill hose to the water valve. Make sure the hose with the Hot printed line is attached to the HOT faucet. Tighten by hand until snug, then two-thirds of a turn with pliers.
3. Connect the other end of the Hot and Cold water supply hose to the inlet water valve at the rear of the washing machine.Tighten by hand until snug, then two-thirds of a turn with pliers.

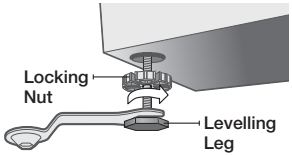


For correct water use, connect both HOT and COLD water valves. If either or both are not connected, an “nF” (no fill) error can occur.

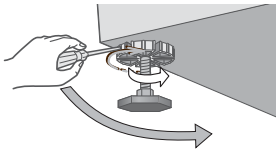
4. Turn on the “HOT” and “COLD “water supply and check all connections at the water valve and the **faucet for leaks**.



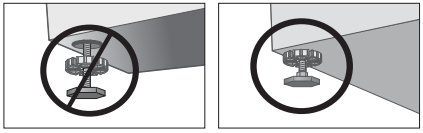
5. Plug the power cord into a 3-Prong, well grounded 120 volt 60 Hz approved electrical outlet protected by a 15-amp fuse or comparable circuit breaker.
   Your washer is grounded through the third prong of the power cord when plugged into a three-prong grounded receptacle.
6. Slide your washer into position.
7. Level your washer by turning the leveling legs in or out as necessary by hand or by using the wrench included with your washer.
   When your washer is level, tighten the locking nuts using the wrench or (-) flathead screwdriver.



Your Washer must be leveled on all four sides. A carpenter’s level should be used on all four corners of your Washer. It’s a good idea after the first dozen washes to recheck your washer’s levelness.



Avoid damage to the legs. Do not move the Washer unless the Locking-nuts are fastened to the bottom of the Washer.



WF455AG-03159A_EN.indd Sec3:21 2012-04-13 11:59:22

STEP 4

Calibration mode

Before using Calibration mode, be sure to take out all items from the drum.

Your Samsung washer automatically detects the weight of the laundry.

For more accurate weight detection, please run Calibration Mode after the installation.

Calibration mode is performed by following the steps below.

1. Turn on the washer.
2. Press the **Temp** button and **Delay Start** button simultaneously at least 3 seconds.
3. Remove any contents in the tub and close the door.
4. Press the **Start/Pause** button to run Calibration Mode.
5. The drum rotates clockwise and counterclockwise approximately for for approximately 3 minutes.
6. When Calibration Mode is finished, the “En/End” appears on the display and the washing machine turns off automatically. The washing machine is now ready for use.

WF455AG-03159A_EN.indd Sec3:22 2012-04-13 11:59:22

LOADING YOUR WASHER

- You can fill the tub with dry, unfolded clothes; but DO NOT OVERLOAD the tub.
- Overloading may reduce washing efficiency, cause excess wear, and possibly cause creasing or wrinkling of the load.
- Wash delicate items such as bras, hosiery, and other lingerie in the Delicates cycle with similar lightweight items.
- When washing big bulky items or a few smaller items that don't fill the tub completely – a rug, a pillow, stuffed toys, or one or two sweaters, for example – add a few towels to improve tumbling and spin performance.

During the spin cycle, the washer may add additional water to redistribute the excessive imbalance inside the drum.

- When washing heavily soiled loads, do not overload your Washer in order to assure good cleaning results.
- To add a forgotten item:
  1. Press the Start/Pause Button.
  2. Wait for the Door Lock light to go out (5 seconds)
  3. Add the item, close the door, and press the Start/Pause Button. After a 10-second pause, the cycle will resume.

GETTING STARTED

1. Load your Washer.
2. Close the door.

CAUTION Push the laundry into the drum completely to prevent the laundry from being caught in the door or from falling out of the drum.

3. Add detergent and additives to the dispenser (see page 42).
4. Select the appropriate cycle and options for the load (see page 24).
5. Press the **Start/Pause** Button.

The drum automatically rotates and measures the weight of the laundry without supplying water in order to adjust the wash time. (The rotating display on the display panel indicates that the weight of the laundry is being measured.)

6. The Wash Indicator light will illuminate.
7. The estimated cycle time will appear in the display. The time may fluctuate to better indicate the time remaining in the cycle.

The actual time required for a cycle may differ from the estimated time in the display depending on the water pressure, water temperature, detergent, and laundry.

8. Before your washer starts to fill, it will make a series of clicking noises to check the door lock and do a quick drain.

- When the cycle is complete, the Door Lock light will go out and "End" will appear in the display.
- DO NOT attempt to open the door until the Door Lock light is off. To add a forgotten item, see "Loading your Washer" section. (page 23)
- When your Washer is restarted after a pause, expect a delay of up to 15 seconds before the cycle continues.
- Pressing the Power button cancels the cycle and stops your washer.
- The Pre Wash, Wash, Rinse and Spin indicator lights will illuminate during those portions of the cycle.

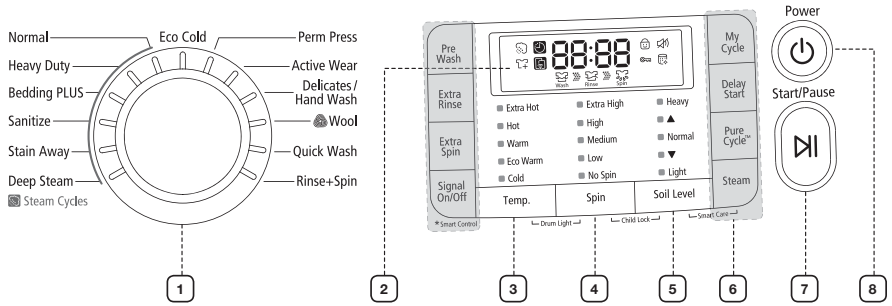
WARNING Do not place anything on top of your washer while it is running.

WF455AG-03159A_EN.indd Sec2:23 2012-04-13 11:59:22

washing a load of laundry

WARNING: To reduce the risk of fire, electric shock, or injury to persons, read the IMPORTANT SAFETY INSTRUCTIONS before operating this appliance.

OVERVIEW OF THE CONTROL PANEL



1 Cycle Selector

Select the appropriate cycle for the type of load.
This will determine the tumble pattern and spin speed for the cycle.

To minimize wrinkling of laundry, select the Perm Press cycle.

Normal - For most fabrics including cottons, linens, and normally soiled garments.

Heavy Duty - For sturdy, colorfast fabrics and heavily soiled garments.

Bedding PLUS - For bulky items such as blankets and sheets. When you are washing comforters, use liquid detergent.

Sanitize - For heavily soiled, colorfast garments. This cycle heats the water to 150°F to eliminate bacteria.

If Pause is selected during the heating portion of the Sanitize Cycle, your Washer door will remain locked for your safety.

Stain Away - For stained clothes. Stain Away cycle provides outstanding stain removal performance, with the utmost gentle care, avoiding the need for pre-treatment of stains.

For Best stain removal performance , it is recommended to use hot temperature option in this cycle, in which the wash temperature is increased using the internal heater, for overall cleaning of the different stains.

Deep Steam - For heavily soiled, colorfast garments, this cycle provides high washing temperature and steam and is efficient in cleaning stains.

Eco Cold - It provides useful daily care for normally and lightly soiled laundry by using only cold water, saving energy and caring fabric.

It cleans as effectively as the warm wash setting on ***conventional Normal** cycle under Normal and Light Soil level options. (Cleaning performance of Eco Cold cycle may not be equal to conventional Normal cycle under heavy soil level option) For best result, it is recommended to use less than 8 pounds.

* conventional Normal cycle - Normal cycle on previous and existing Samsung front loading washers released until 2009 without PowerFoam

Perm Press - For wash-and-wear, synthetic fabrics, and lightly to normally soiled garments.

Active Wear - Use this cycle to wash exercise wear such as sports jersey, training pants, shirts/tops and other performance clothing. This cycle provides effective soil removal with gentle action for special fabric care.

WF455AG-03159A_EN.indd Sec5:24 2012-04-13 11:59:22

	Delicates/Hand Wash - For sheer fabrics, bras, lingerie silk, and other handwash-only fabrics. For best results, use liquid detergent. **Wool** - For machine-washable wool. Loads should be under 8 pounds. For best results, we recommend a load of 4.4 pounds or less. • The Wool cycle washes laundry by moving the wash drum horizontally to maintain the characteristics of the wool fibers and to prevent damage to the cloth. It then stops for a while to allow the laundry to soak in the water. This pause in the operation of the Wool cycle is normal. • We recommend you use a neutral detergent to prevent damage to the cloth and to improve the washing results. WOOLMARK APPAREL CARE The wool wash cycle of this machine has been approved by Woolmark for the washing of machine washable Woolmark products, provided that the products are washed according to the instructions on the garment label and those issued by the manufacturer of this washing machine, M1207. **Quick Wash** - For lightly soiled garments needed quickly. **Rinse + Spin** - Use for loads that need rinsing only or to add rinse-added fabric softener to a load.
2 **Digital Display**	The large Digital Display is easy to use. It provides instructions and diagnostics while keeping you updated on the cycle status and time remaining.
3 **Temperature selection button**	Press the button repeatedly to cycle through the different water temperature options. **Extra Hot** - Heavily soiled, colorfast items. Only available with the Sanitize cycle. **Hot** - Whites and heavily soiled, colorfast items. **Warm** - Colorfast items. When warm rinse is selected, only the final rinse will be warm. The other rinses will be cold to conserve energy. **Eco Warm** - Moderately soiled, colorfast items; most wrinkle-free items. **Cold** - Brightly colored, very lightly soiled items.
4 **Spin selection button**	Press the button repeatedly to cycle through the different spin speed options. **Extra High** - Removes more water from loads during spin. To minimize wrinkling of wrinkle-free and no-iron fabrics, DO NOT use the Extra High spin option for these loads, nor overload your Washer. **High** - Use for underwear, t-shirts, jeans and sturdy cottons. **Medium** - Use for jeans, wrinkle-free or wash-and-wear items and synthetics. **Low** - Use for delicate items needing a slow spin speed. **No Spin** - Drains your Washer without spinning. Use for extremely delicate items that cannot tolerate any spin.
5 **Soil Level selection button**	Press the button to select the soil level/washing time. (Heavy → ▲ → Normal → ▼ → Light) **Heavy** - For heavily soiled loads. ▲ **Normal** - For moderately soiled loads. This setting is best for most loads. ▼ **Light** - For lightly soiled loads.

WF455AG-03159A_EN.indd Sec5:25 2012-04-13 11:59:22

6 **Select Cycle Option**	Press these buttons to select different cycle options. **Pre Wash** - To use this feature, add detergent to the pre wash section of the detergent compartment. When turned on, the washer fills with cold water and detergent, tumbles, then drains and advances to the selected wash cycle. Some cycles cannot be selected with with this option. You cannot select the prewash option in the Wool, Quick Wash, Delicates/Handwash and Rinse+Spin cycles. **Extra Rinse** - Add an additional rinse at the end of the cycle to more thoroughly remove laundry additives and perfumes. **Extra Spin** - Add additional time to remove more water from loads. **Signal On/Off** - When you activate Signal off function, the "Signal off [🔇]" lamp illuminate. **My Cycle** - Choose your favorite cycle including temperature, spin, soil level, option, etc. **Delay Start** - Any cycle can be delayed for up to 24 hours in one-hour increments. Displayed hour indicates the time at which the wash will be started. **Pure Cycle™** - Use to clean dirt and bacteria from the drum. Regular use (after every 40 washes) is recommended. No detergent or bleach is needed (see page 48). **Steam** - Press this button to use the Steam Wash function. Steam Wash is available with Heavy Duty, Normal, Perm Press, Sanitize, Bedding PLUS cycles. For heavily soiled, colorfast garments, Steam Wash improves stain treatment and uses less water (See page 29).
7 **Start/Pause selection button**	Press to pause and restart programs.
8 **Power button**	Press once to turn your washer on, press again to turn your washer off. If the washer is left on for more than 10 minutes without any buttons being touched, the power automatically turns off.

Delay Start

You can set the washing machine to fi nish your wash automatically at a later time, choosing a delay of between 1 to 24 hours (in 1 hour increments). The hour displayed indicates the time at which the wash will be finished.

1. Manually or automatically set your washing machine according to the type of laundry you are washing.
2. Press the **Delay Start** button repeatedly until the delay time is set.
3. Press the **Start/Pause** button. The "Delay Start [🕒]" indicator will be lit, and the clock will begin counting down until it reaches the set time.
4. To cancel a Delay End function, press the **Power** button and then turn the washing machine on again.

WF455AG-03159A_EN.indd Sec5:26 2012-04-13 11:59:23

Child Lock

This function prevents children from playing with your washer.

CAUTION Although the Child Lock function is activated, you must keep an eye on children so that they do not operate your washer.

Activating the Child Lock function

Press and hold both the **Spin** and **Soil Level** buttons simultaneously for approximately 3 seconds.

- When you activate the Child Lock function, the door locks and the "Child Lock [ ]" lamp illuminates.
- If you press the **Start/Pause** button after you have activated the Child Lock function , none of the buttons will work except for the **Power** button.
- If you press a button when the buttons are locked, the "Child Lock [ ]" lamp blinks.

Pausing the Child Lock function

When the door is locked or the buttons are locked by the Child Lock function, you can pause the Child Lock operation for 1 minute by pressing and holding both the **Spin** and **Soil Level** buttons simultaneously for approximately 3 seconds.

- If you pause the Child Lock mode temporarily, the door lock is released for 1 minute for user convenience. During this period, the "Child Lock [ ]" lamp blinks.
- If you open the door after the minute is over, an alarm sounds for up to 2 minutes.
- If you close the door within the 2 minutes, the door is locked and the Child Lock function is reactivated. If you close the door after the 2 minutes, the door is not locked automatically and no alarm sounds.

Deactivating the Child Lock function

Press and hold both the **Spin** and **Soil Level** buttons simultaneously for approximately 6 seconds.

- When you deactivate the Child Lock function, the door is unlocked and the "Child Lock [ ]" is turned off.

WARNING
- The Child Lock function prevents children or the infirm from accidently operating the washer and injuring themselves.
- If a child enters the washing machine, the child may become trapped and suffocate.

CAUTION
- Once you have activated the Child Lock function, it continues working even if the power is turned off.
- Opening the door by force can result in injury due to damage to the product.

To add laundry after you have activated the Child Lock function, you must first pause or deactivate the Child Lock function.

If you want to open the door of the washing machine when the Child Lock function is activated:

- Pause or deactivate the Child Lock function.
- Turn the washing machine off and then on again.

WF455AG-03159A_EN.indd Sec5:27 2012-04-13 11:59:23

Spin Only

If you press the **Power** button and then press and hold the **Spin** button for 2 seconds, the spin time will be displayed on the display panel.

Then, press the **Spin** button repeatedly until the required spin level is selected, and then press the **Start/Pause** button.

Before pressing the Spin Only button, you can select a cycle with the Cycle Selector. If you have selected a cycle, you can only select the corresponding spin level.

Drum Light

1. If the door is opened when the power is on, the Drum Light is automatically turned on.
2. If the door is closed when the power is on, the Drum Light is automatically turned off.
3. Press the **Temp.** and the **Spin** buttons simultaneously to turn the Drum Light on or off.
4. If 4 minutes have passed after the Drum Light is turned on, the Drum Light is automatically turned off.

Garment+

You can add or take out laundry items even after the wash has started, as long as the **"Garment+"** light is on. Pushing the **Start/Pause** button unlocks the door, unless the water is too hot or if there is too much water in your Washer. If you are able to unlock the door and wish to continue the wash cycle, close the door and press the **Start/Pause** button.

My cycle

Allows you to activate your custom wash (temperature, spin, soil level, etc.) with one–button convenience.

By pushing the **My Cycle** button, you activate the settings used during the **My Cycle** mode. The **"My Cycle"** light will indicate activation.

You can select all options as follows in **"My Cycle"** mode.

1. Select cycle using the **Cycle Selector** dial.
2. After cycle selection, set each option.

See page 56 for available option settings with each cycle.

3. Then, you can start **"My Cycle"** by pushing the **Start/Pause** button in **"My Cycle"** mode. The cycle and options you select will be displayed the next time you choose **"My Cycle"**.

You can change the **"My Cycle"** settings by repeating the same process above. The last used setting will be displayed the next time you choose **"My Cycle"**.

WF455AG-03159A_EN.indd Sec5:28 2012-04-13 11:59:23

Steam

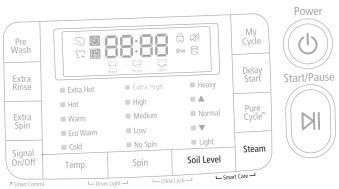
The Steam Wash function injects steam directly into the laundry in the wash tub to increase the wash temperature and enhance the soak effect, thus improving the wash performance.

1. Load the washer.
2. Press the **Power** button.
3. Turn the **Cycle Selector** and select a steam cycle. (The **Deep Steam** cycle automatically selects the Steam Wash function.)
4. Press the **Steam** button.
5. Add detergent into the dispenser tray for a wash, and add fabric softener up to the marked line.
6. Press the **Start/Pause** button.
   : The washer automatically selects the optimal wash conditions by sensing the weight of the laundry.

Steam may not necessarily be visible during the steam cycles.
Steam may not be present during entire steam wash cycle.

Smart Care

This function enables you to check the status of the washing machine using a smartphone.



1. To enable the Smart Care function, press and hold the **Soil Level** and **Steam** button for 3 seconds within 10 seconds after turning the power on by pressing the **Power** button.
2. If the Smart Care function is activated, the led on window display rotates for 2 or 3 seconds and then the Smart Care indicator is lit on the display.
3. Run the **Smart Care app** on your smart phone.
4. The Smart Care function is optimized with Galaxy S, Galaxy S2, iPhone 4 and iPhone 4S.
5. Focus your smart phone's camera on the display panel of the washing machine.
6. If the smart phone's camera is focused on the display panel of the washing machine, the result is automatically recognized and the error type and countermeasures are displayed on the smart phone.
7. If an error occurs more than twice, please manually enter the error code displayed on the display panel of the washing machine into the Smart Care app.

Downloading the Smart Care app

- Download the Samsung Smart Washer/Dryer App into your mobile phone from the Android market or Apple App store. (Search word : Samsung Smart Washer/Dryer)

Precautions when using Smart Care

- If a lighting device (e.g. fluorescent or lamp) is reflected on the display panel of the washing machine, the result on the display panel may not be recognized easily.
- If an error occurs more than twice, please manually enter the error code displayed on the display panel of the washing machine into the Smart Care app.
- If the angle of the smartphone camera and the display panel of the washing machine is incorrect, the error may not be recognized properly.
  Please try to hold the smart phone at an angle to the display panel as shown by the figure.

WF455AG-03159A_EN.indd Sec5:29 2012-04-13 11:59:23

washing a load of laundry

Washing clothes using the cycle selector

Your new washing machine makes washing clothes easy, using Samsung's "Fuzzy Control" automatic control system. When you select a wash program, the machine will set the correct temperature, washing time, and washing speed.

1. Press the **Power** button.
2. Open the door.
3. Load the articles of clothing one at a time loosely into the drum, without overfilling it.
4. Close the door.
5. Add detergent, softener, and pre-wash detergent (if necessary) into the appropriate compartments.

Pre-wash is only available when selecting the Normal, Perm Press, Sanitize, Bedding Plus, Deep Steam and Heavy Duty cycles. It is only necessary if your clothing is heavily soiled.

6. Use the Cycle Selector to select the appropriate cycle according to the type of material: Normal, Heavy Duty, Perm Press, Sanitize, Bedding Plus, Deep Steam, Eco Cold, Stain Away, Active Wear, Delicates/Hand Wash, Wool, Quick Wash, Rinse + Spin and Spin Only. The relevant indicators will illuminate on the control panel.
7. At this time, you can control the wash temperature, the number of rinse cycles, the spinning speed, and the delay time by pressing the appropriate option button.
8. Press the Start/Pause button on the Cycle Selector and the wash will begin. The process indicator will light up and the remaining time for the cycle will appear in the display.

Pause Option

1. Within 5 minutes of starting a wash, it is possible to add/remove laundry items to/from the wash.
2. Press the Start/Pause button to unlock the door.
3. The door cannot be opened when the water is too HOT or the water level is too HIGH.
4. After closing the door, press the Start/Pause button to restart the wash.

When the cycle is finished:

After the total cycle has finished, the power will turn off automatically.

1. Open the door.
2. Remove laundry.

WF455AG-03159A_EN.indd Sec5:30 2012-04-13 11:59:23

SETTING THE SMART CONTROL

Connect a wired/wireless sharer and the washer through a wireless connection, connect to www.samsungsmartappliance.com and register the washer to the Smart Control service.

This product does not contain a wireless router.

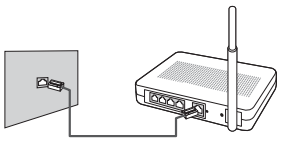
Configuring the wired/wireless sharer

- This product supports DHCP (Dynamic Host Configuration Protocol). Therefore, if a user wants to use an existing wired/wireless sharer, the sharer's DHCP server function must be enabled.
- Set the channel for the connection with the wired/wireless sharer to a channel that is not being used.
- The WEP, TKIP or TKIP AES encryption types are supported for wired/wireless sharers and other new Wi-Fi encryption types are not supported.
- The quality of the wireless network may be affected by the surrounding environment.
- If your Internet service provider has registered and fixed the MAC address (unique identification number of a device) of the user's PC or modem, you may not be able to connect the washer to the Internet. Please ask your Internet service provider about the procedures to connect a device (e.g. washer) other than a computer to the Internet. If your Internet service provider requires an ID and password to connect to the Internet, you may not be able to connect the washer to the Internet. In this case, you have to enter the ID and password to connect to the Internet.

  You may not be able to connect to the Internet due to a firewall. In this case, ask your Internet service provider for assistance.If you cannot connect the washer to the Internet even after contacting your Internet service provider, please contact a Samsung Electronics dealer or service center.

Check before installation

- For the procedures to install a normal wired/wireless sharer, refer to the user manual of the corresponding wired/wireless sharer.
- Samsung washers only support Wi-Fi 2.4Ghz.
- Samsung washers support IEEE 802.11 b/g/n and Wi-Fi Direct (IEEE802.11n is recommended).
- If the wired/wireless sharer is not Wi-Fi certified, it cannot be connected with the washer.

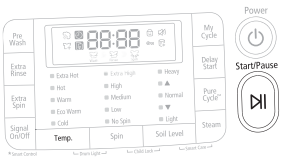


WF455AG-03159A_EN.indd Sec5:31 2012-04-13 11:59:23

Connecting to the network using the WPS setting

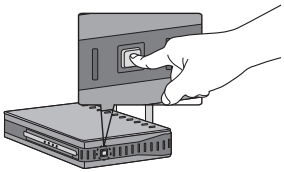
- Samsung washers use PBC as the WPS type. Check if the current wired/wireless sharer supports Wi-Fi Protected Setup™(WPS).
- Check if the wired/wireless share has a WPS button.

1. Press and hold both the **Temp.** and **Start/Pause** buttons for 5 seconds.
2. Turn the **Cycle Selector** until “UP” is displayed on the display panel and press the **Start/Pause** button.



If the connection is not established within 5 minutes, “FUP” is displayed on the display panel.

3. Press and hold the **WPS** button of the wired/wireless sharer that will be connected with the washer for 120 seconds or less to run the WPS function of the wired/wireless sharer. If the WPS function runs, the wired/wireless sharer automatically fetches the necessary information from the washer and the washer is automatically connected to the Internet through the wired/wireless sharer.

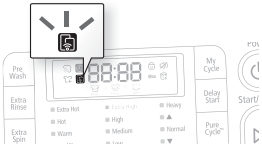


- How to use the WPS function of the wired/wireless sharer may differ depending on the manufacturer. Refer to the user manual of the corresponding wired/wireless sharer.
- Even after the WPS setup is complete, it may take some time until the actual connection is established to allocate an IP address through DHCP (up to 5 minutes).

CAUTION

- Note that if you use a wired/wireless sharer that is not WPS-certified, the washer may not be connected through Wi-Fi or a device that was connected to the wired/wireless sharer may be disconnected.
- Please note that for some wired/wireless sharers, if you press and hold the WPS button for some time, the settings of the sharer may be reset.

4. If the washer and the wired/wireless sharer are properly connected, the indicator blinks on the display panel for 30 seconds.
5. Press the **Smart Control** button to finish the Smart Control connection setup. When the setup is completed normally, the indicator blinks on the display panel with a beeping sound.



If you press the **Smart Control** button when the washer and the wired/wireless sharer are not properly connected, the invalid button sound is heard and the Smart Control connection setup is not completed.

WF455AG-03159A_EN.indd Sec5:32 2012-04-13 11:59:23

Connecting to the network using the AP setting

1. Press and hold the **Temp.** and **Start/Pause** buttons for 5 seconds.
2. The AP menu appears on the LED screen.
3. If the **Start/Pause** button is pressed after approximately 1 minute, the AP blinks.

   If the “AP” display does not blink.
   Since the Wi-Fi module is not ready, try again after a moment.
   (Approximately 1 minute is needed for the Wi-Fi module to get ready.)
4. Check if the SMARTWASHER is displayed in the list displayed in the mobile Wi-Fi setup screen. If it is in the list, perform step 5.
5. Launch the app, enter **Connection setup** and press the **Setting Start** button.
6. The app attempts to connect to the washing machine that has changed to AP mode.
7. When the connection is established, the AP list is displayed.
8. Select the AP and enter the password.
9. When the setting is completed.

   When the setting is successfully completed, “oAP” is displayed on the LED.
   When the setting is unsuccessfully completed, “FAP” is displayed on the LED.

WF455AG-03159A_EN.indd Sec5:33 2012-04-13 11:59:24

DOWNLOADING AND RUNNING THE MOBILE APP, SAMSUNG SMART WASHER/DRYER APP

Follow the procedure below to download and run the mobile app, **Samsung Smart Washer/Dryer App**.

1. Download the **Samsung Smart Washer/Dryer App** into your mobile phone from the Android market. You can skip this step if the app has been already downloaded into your mobile phone.

2. Tap the **Samsung Smart Washer/Dryer App** icon on your mobile phone to run the app.
   The initial screen is displayed.

3. The Home screen is displayed. It shows that your mobile phone is not yet connected to your washer.
4. Tap the **Indoor control** or **Outdoor control**.

WF455AG-03159A_EN.indd Sec5:34 2012-04-13 11:59:24

5. Tap your washer's name.
6. The progress screen is displayed while the **Samsung Smart Washer/Dryer App** tries to connect to your washer.

Connecting may take a minute or two.

7. When the connection is established, the screen shown at right appears.

WF455AG-03159A_EN.indd Sec5:35 2012-04-13 11:59:24

washing a load of laundry

USING THE MOBILE APP

After you washer has been connected, you can perform the following operations using the Samsung Smart Washer/Dryer App.

- Disconnect the connection
- Start a new wash (including receiving notifications and controlling your washer)

Disconnecting the connection

Follow the procedure below to disconnect the connection to your washer.

1. Tab the **Disconnect** button.

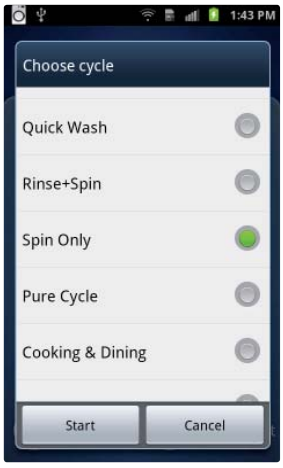
Starting a new wash

Follow the procedure below to start a new wash from your mobile app.

1. Tap the **Start new wash** button.
   The **Choose cycle** screen is displayed.

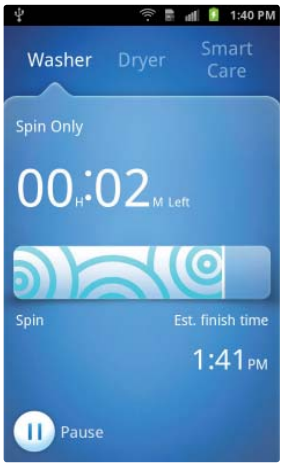
   In your washer, you must tap the **Smart Control** button in the **Cycle Selection** screen to turn on the Smart Control function.

2. Select the cycle you want, and then top the **Start** button.



WF455AG-03159A_EN.indd Sec5:36 2012-04-13 11:59:24

3. The cycle status including cycle progress and estimated finish time are shown on the screen.
   Tap the **Pause** button to pause the cycle.



4. When the cycle is completed, the message “Cycle complete” and a summary review of all the phases are shown.
5. Tap the **Dismiss** button to return to the **Home** screen.

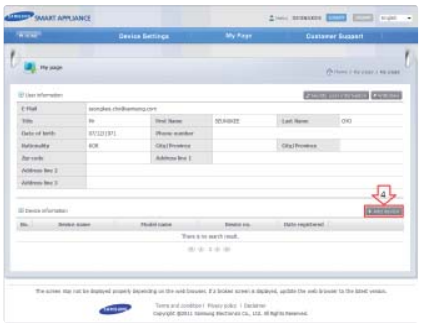
WF455AG-03159A_EN.indd Sec5:37 2012-04-13 11:59:24

Registering your washer

1. Access **Samsung Smart appliance** website. (http://www.samsungsmartappliance.com)
2. Enter the User ID and Password to log in.

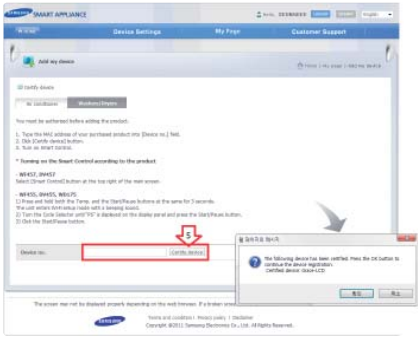
   If you don't have an account, press "**Create a Samsung account**" and fill in the form to become a member.
3. Select "**My page**" → "**My page**".

4. Select "**Add device**".



WF455AG-03159A_EN.indd Sec5:38 2012-04-13 11:59:24

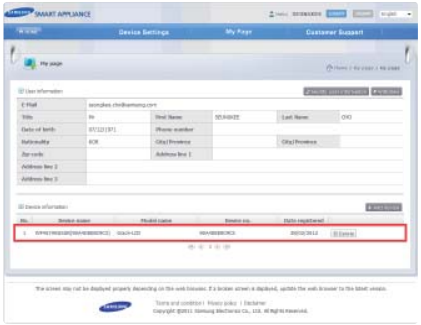
5. After entering the MAC written from following instruction.
   1) Press and hold both the **Temp.**, and **Start/Pause** buttons for 3 seconds.
   2) Turn the Cycle Selector until “Ad” is displayed on the display panel and press the **Start/Pause** button.
   3) Find out 12 Hexadecimal Address, pressing **Start/Pause** buttons for 2 digit & text.
6. Click the “**Certify device**”.
7. Press and hold both the **Temp.**, and **Start/Pause** buttons for 3 seconds.



8. Turn the Cycle Selector until **PS** is displayed on the display panel and press the **Start/Pause** button.
9. When certify device checking window comes on, click the “**Ok**”.
   - If the washer you are registering is already registered by other users, a window will come on asking whether you want to delete the usage authority of the existing users, or not.

---

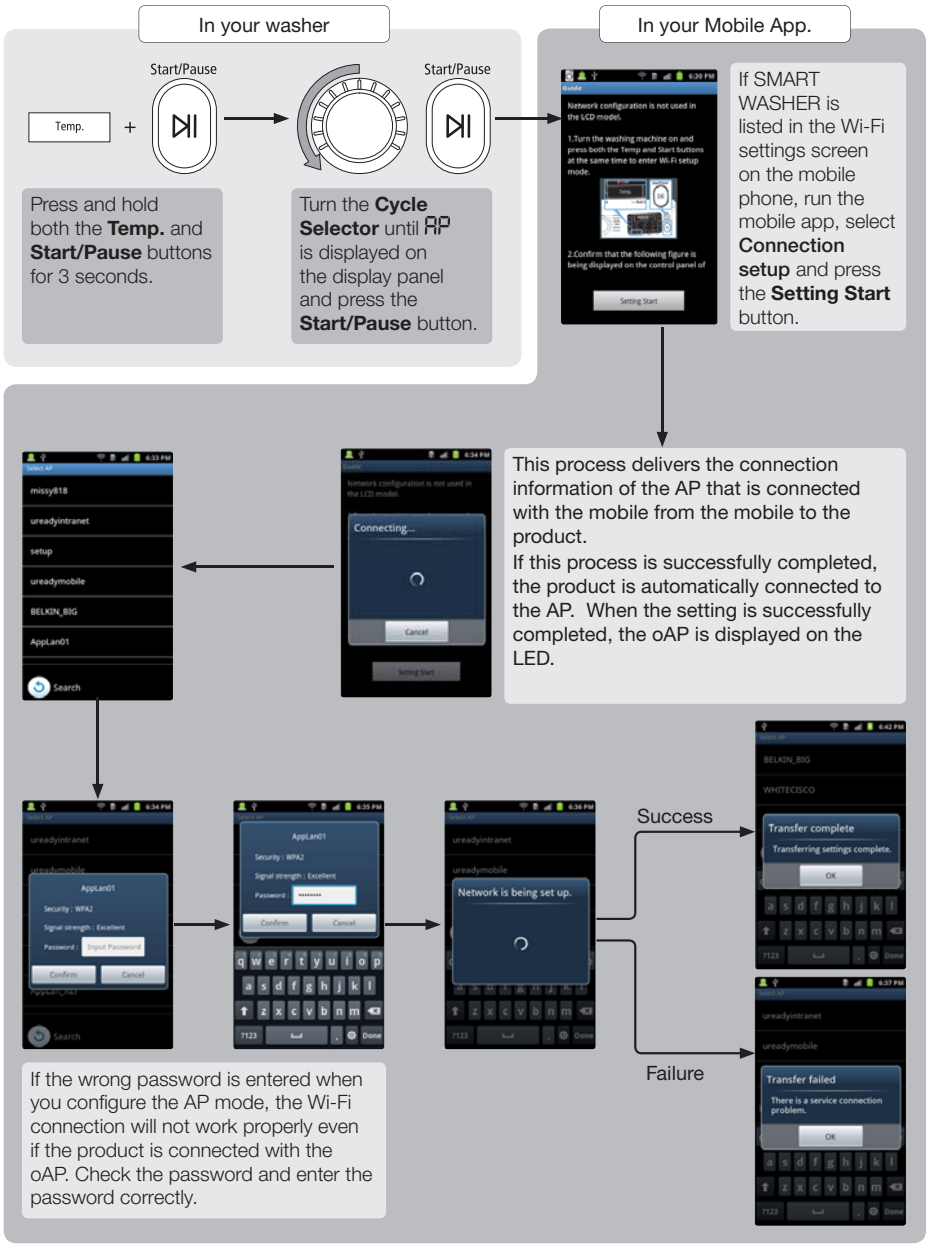
10. After the registration of the washer is completed, you can check the registered washer on the device information list.



WF455AG-03159A_EN.indd Sec5:39 2012-04-13 11:59:24

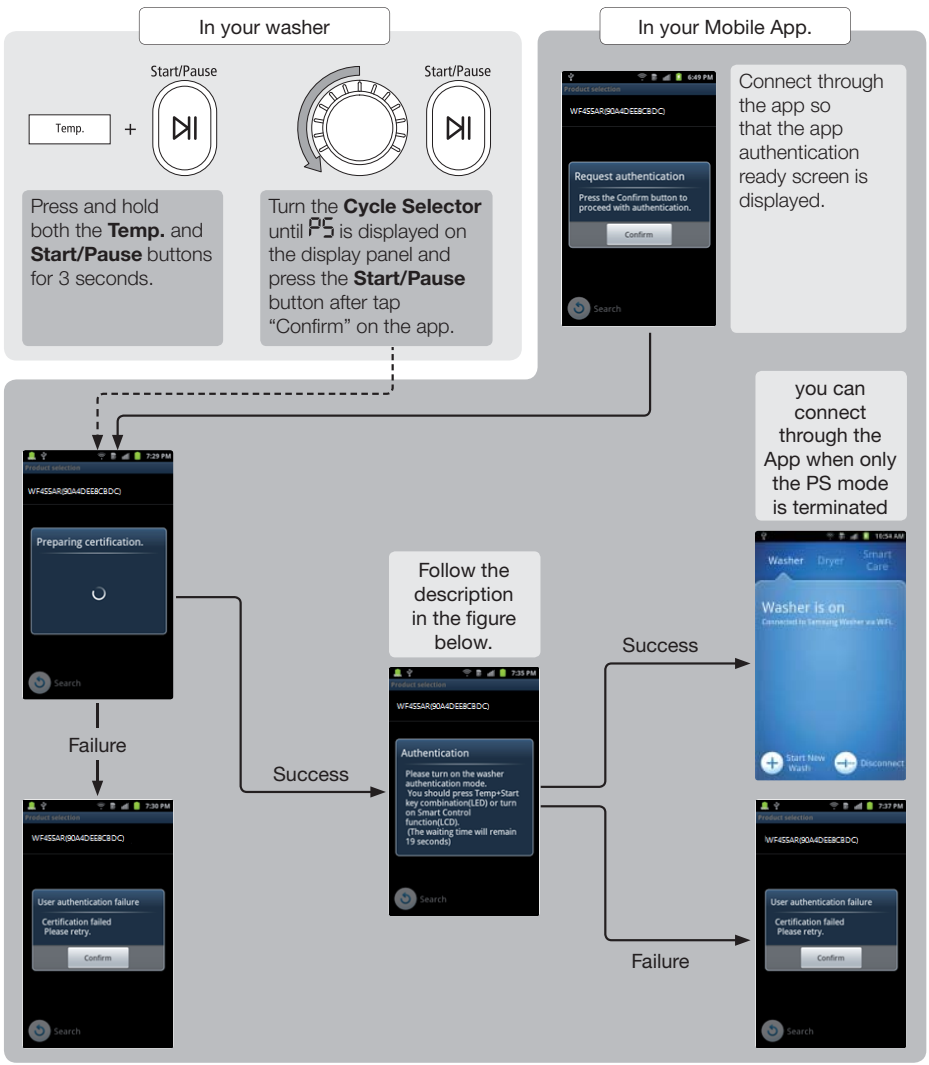
washing a load of laundry

QUICK GUIDE FOR WI-FI SETTING AND AP CONNECTING


In your washer
In your Mobile App.
Start/Pause
Start/Pause
Temp.
+
Press and hold both the **Temp.** and **Start/Pause** buttons for 3 seconds.
Turn the **Cycle Selector** until AP is displayed on the display panel and press the **Start/Pause** button.
If SMART WASHER is listed in the Wi-Fi settings screen on the mobile phone, run the mobile app, select **Connection setup** and press the **Setting Start** button.
This process delivers the connection information of the AP that is connected with the mobile from the mobile to the product.
If this process is successfully completed, the product is automatically connected to the AP. When the setting is successfully completed, the oAP is displayed on the LED.
Success
Failure
If the wrong password is entered when you configure the AP mode, the Wi-Fi connection will not work properly even if the product is connected with the oAP. Check the password and enter the password correctly.

WF455AG-03159A_EN.indd Sec5:40 2012-04-13 11:59:25

QUICK GUIDE FOR DEVICE CERTIFICATION



If the app has not yet connected to the product, authentication is required.

For the Wi-Fi module, it takes approximately 1 minute to boot up and get ready. Therefore,until the Wi-Fi module is ready, the Smart Control setting is not configured.

WF455AG-03159A_EN.indd Sec5:41 2012-04-13 11:59:25

washing a load of laundry

DETERGENT USE

Your Washer is designed to use high efficiency (HE) detergents.

- For best cleaning results, use a high efficiency detergents such as Tide HE, Wisk HE, Cheer HE or Gain HE*. High efficiency detergents contain suds suppressors that reduce or eliminate suds. When fewer suds are produced, the load tumbles more efficiently and cleaning is maximized.

WARNING Regular detergent is not recommended. Please use HE detergents only.

Reducing the amount of detergent may reduce the quality of cleaning. It is important to pre–treat stains, sort carefully by color and soil level, and avoid overloading.

* Brand names are trademarks of their respective manufacturers.

FEATURES

Automatic dispenser

Your Washer has separate compartments for dispensing detergent and color-safe bleach, chlorine bleach, and fabric softener. Add all laundry additives to their respective compartments before starting your Washer.

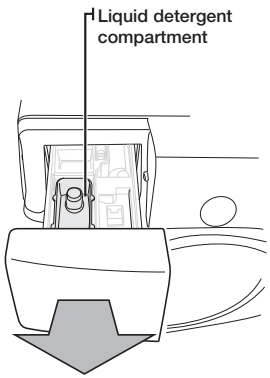
The automatic dispenser MUST ALWAYS be in place before starting your Washer.

DO NOT open the automatic dispenser when your washer is running.

To use:

- Never exceed the manufacturer's recommendations when adding detergent.
- This compartment holds liquid detergent for the main wash cycle, which is added to the load at the beginning of the cycle.

When using powdered detergent, remove the liquid detergent compartment from the detergent drawer. The washer will not dispense powdered detergent from the liquid detergent compartment.



Detergent compartment

1. Pour the recommended amount of laundry detergent directly into the detergent compartment before starting your Washer.
2. If you are using color-safe bleach, add it with the detergent to the detergent compartment.

When adding color-safe bleach with detergent, it is best if both laundry products are in the same form – granular or liquid.

WF455AG-03159A_EN.indd Sec5:42 2012-04-13 11:59:25

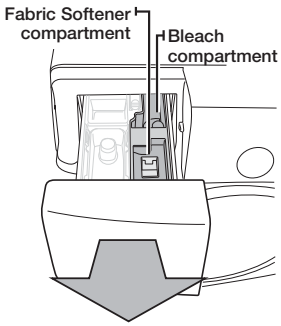
Pre wash compartment

When using the Pre Wash option, detergent should be added to both the Pre Wash compartment and the detergent compartment. The detergent will automatically be dispensed during Pre Wash.

- If high efficiency (HE) detergent is used, add 1/3 of the recommended amount to the Pre Wash compartment and 2/3 of the recommended amount to the detergent compartment.

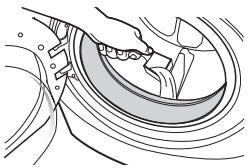
Bleach compartment

(Liquid chlorine bleach only)



1. Add chlorine bleach to the bleach compartment. DO NOT exceed the MAX FILL line.
2. Avoid splashing or over–filling the compartment.
3. Your Washer automatically dispenses bleach into the tub at the appropriate time.
4. The dispenser automatically dilutes liquid chlorine bleach before it reaches the wash load.

- Never pour undiluted liquid chlorine bleach directly onto the load or into the tub. It is a powerful chemical and can cause fabric damage, such as weakening of the fibers or color loss, if not used properly.
- If you prefer to use color–safe, non–chlorine bleach, add it to the appropriate detergent compartment. DO NOT pour color–safe bleach into the Bleach compartment.
- Oxi-type boosters or color-safe bleach can be added to the drum prior to adding laundry.
- Put the laundry into the drum only after confirming that the oxi-type boosters or color-safe bleach has completely entered the hole of the drum.



- However, to use powdered detergent and powder oxi-type boosters or powdered color-safe bleach at the same time, it is more effective putting them in together and removing the liquid detergent holder from the detergent compartment.

Fabric softener compartment

1. Pour the recommended amount of liquid fabric softener into the softener compartment. For smaller loads, use less than one capful.
2. Dilute the fabric softener with water until it reaches MAX FILL in the compartment.
3. The dispenser automatically releases liquid fabric softener at the proper time during the rinse cycle.

- Use the softener compartment ONLY for liquid fabric softeners.
- DO NOT use the Downy Ball* in the fabric softener compartment with this Washer. It will not add fabric softener at the appropriate time. Use the detergent Compartment.
- It is not recommended using liquid fabric softener that is too sticky as it may not mix with the water sufficiently.

* Brand names are trademarks of their respective manufacturers.

WF455AG-03159A_EN.indd Sec5:43 2012-04-13 11:59:26

maintaining your washer

CLEANING THE EXTERIOR

Turn off the water faucets after finishing the day's washing.

This will shut off the water supply to your Washer and prevent the unlikely possibility of damage from escaping water. Leave the door open to allow the inside of your Washer to dry out.

Use a soft cloth to wipe up all detergent, bleach or other spills as they occur.

Clean the following as recommended:

Control Panel – Clean with a soft, damp cloth. Do not use abrasive powders or cleaning pads. Do not spray cleaners directly on the panel.

Cabinet – Clean with soap and water.

CLEANING THE INTERIOR

Clean the interior of your Washer periodically to remove any dirt, soil, odor, mold, mildew, or bacterial residue that may remain in your Washer as a result of washing clothes.

Failure to follow these instructions may result in unpleasant conditions, including odors and/or permanent stains on your Washer or laundry.

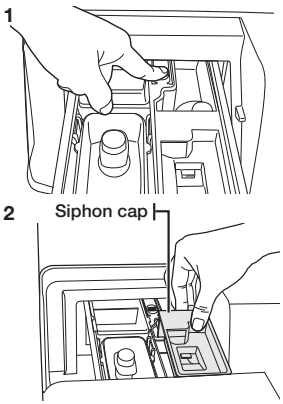
Hard water deposits may be removed, if needed. Use a cleaner labeled "Washer safe".

WF455AG-03159A_EN.indd Sec4:44 2012-04-13 11:59:26

CLEANING THE DISPENSERS

The automatic dispenser may need to be cleaned periodically due to laundry additive buildup.

1. Pull the detergent liquid holder out of the detergent compartment.
2. Remove the siphon cap from the fabric softener and bleach compartments.
3. Wash all of the parts under running water.
4. Clean the dispenser recess with a soft brush.
5. Reinsert the siphon cap and push it firmly into place.
6. Push the dispenser back into place.
7. Run a Rinse+Spin c ycle without any load in your washer.



STORING YOUR WASHER

Washers can be damaged if water is not removed from hoses and internal components before storage. Prepare your Washer for storage as follows:

- Select the Quick Wash cycle and add bleach to the automatic dispenser. Run your Washer through the cycle without a load.
- Turn the water faucets off and disconnect the inlet hoses.
- Unplug your Washer from the electrical outlet and leave your Washer door open to let air circulate inside the tumbler.
- If your Washer has been stored in below–freezing temperatures, allow time for any leftover water in your Washer to thaw out before use.

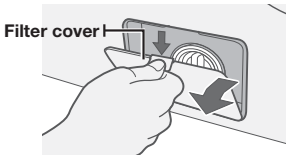
WF455AG-03159A_EN.indd Sec4:45 2012-04-13 11:59:26

maintaining your washer

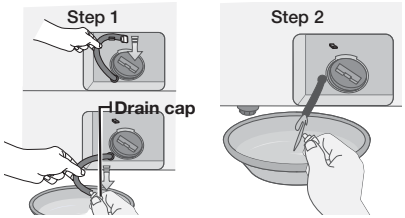
CLEANING THE DEBRIS FILTER

We recommend cleaning the debris filter when water does not drain well or the “nd” error message is displayed.

1. Open the filter cover by pressing and pulling the handle of the filter cover with your finger.

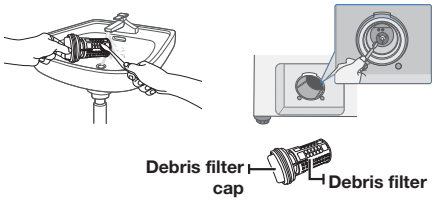


2. Holding the drain cap, pull the drain tube that is hooked on the guide hook to the front.Do not pull the drain tube with excessive force.
3. Place a bowl under the washing machine to catch any remaining water. Then, hold the drain tube with one hand, and turn the emergency drain cap counter clockwise with the other hand to separate it from the drain tube.
4. Drain the remaining water completely.

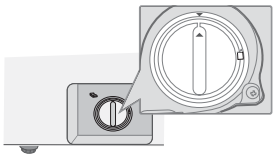


5. Pull out the debris cap and debris filter assembly.

6. Wash any dirt or other material from the debris filter. Make sure the drain pump propeller behind the debris filter is not blocked.



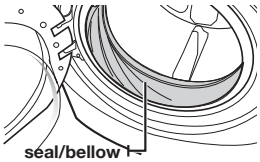
7. When you have finished cleaning the filter, insert the debris cap and filter assembly back into the washer. Turn the debris filter cap clockwise until the indicator on the debris filter cap is in the 12 o’clock position, pointing to the indicator on the washer.
8. Re-attach the emergency drain cap to the drain tube, and then hook the tube to the hook guide.
9. Re-install the filter cover the filter cover.



WF455AG-03159A_EN.indd Sec4:46 2012-04-13 11:59:26

CLEANING THE DOOR SEAL/BELLOW

1. Open the washer door and remove any clothing or items from the washer.
2. Inspect the gray colored seal/bellow between the door opening and the basket for stained areas. Pull back the seal/bellow to inspect all areas under the seal/bellow and to check for foreign objects.



3. If stained areas are found, wipe down these areas of the seal/bellow, using the procedure that follows.
   - **a)** Mix a dilute solution, using ¾ cup (177 mL) of liquid chlorine bleach, and 1 gal. (3.8 L) of warm tap water.
   - **b)** Wipe the seal/bellow area with the dilute solution, using a damp cloth.
   - **c)** Let stand 5 minutes.
   - **d)** Wipe down area thoroughly with a dry cloth and let the washer interior air dry with door open.

IMPORTANT:
- Wear rubber gloves when cleaning for prolonged periods.
- Refer to the bleach manufacturer's instructions for proper use.

PRESERVING THE TOP COVER AND THE FRONT FRAME

Do not place any heavy or sharp objects or a detergent box on the washing machine. Keep them on the purchased pedestal or in a separate storage box. This may scratch or damage the top cover of the washing machine.

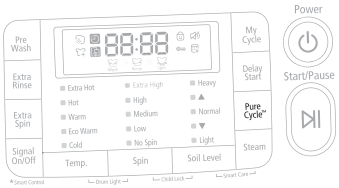
Since the entire washing machine has a high-gloss finish, the surface can be scratched or damaged. Therefore, avoid scratching or damaging the surface when using the washing machine.

WF455AG-03159A_EN.indd Sec4:47 2012-04-13 11:59:27

PURE CYCLE™

Pure Cycle is a self-cleaning cycle that removes mold that may occur inside the washing machine.

1. Press the **Power** button.
2. Press the **Pure Cycle™** button.
   - Once the Pure Cycle button is pressed, the only function that can be set is Delay Start.
3. Press the **Start/Pause** button.
   - If you press the Start/Pause button, Pure Cycle begins.

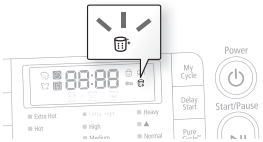


CAUTION

- Using Pure Cycle, you can clean the drum without using a cleansing agent.
- Never use Pure Cycle when laundry is in the washing machine. This may cause damage to the laundry or a problem with the washing machine.
- **If you want to use drum cleansing agent, use only 1/10 of the amount of the drum cleansing agent recommended by the cleansing agent manufacturer.** (When using a powder-type cleansing agent , remove the liquid detergent compartment.)

The Pure Cycle Auto Indicator Function

- If the "**Pure Cycle**" button is lit after a wash, it indicates that tub (drum) cleaning is required. In this case, remove the laundry from the washing machine, turn the power on, and clean the drum by running Pure Cycle.
- If you do not run Pure Cycle, the "**Pure Cycle**" indicator turns off. However, the "**Pure Cycl**e" indicator will light again after two washes. Not running Pure Cycle at this point will not cause a problem with the washing machine.
- Although the Pure Cycle Auto Indicator appears once a month or so, the frequency may differ depending on the number of times the washing machine is used.



WF455AG-03159A_EN.indd Sec4:48 2012-04-13 11:59:27

troubleshooting

CHECK THESE POINTS IF YOUR WASHER...

PROBLEM	SOLUTION
Will not start..	• Make sure the door is firmly closed. • Make sure your Washer is plugged in. • Make sure the water source faucets are open. • Make sure to press the Start/Pause Button to start your Washer. • Make sure Child Lock is not activated; see page 27. • Before your Washer starts to fill, it will make a series of clicking noises to check the door lock and do a quick drain. • Check the fuse or reset the circuit breaker
Has no water or not enough water..	• Turn both faucets on fully. • Make sure the door is tightly closed. • Straighten the water inlet hoses. • Disconnect hoses and clean screens. Hose filter screens may be clogged. • Open and close the door, then press the Start/Pause Button.
Has detergent remaining in the automatic dispenser after the wash cycle is complete.	• Make sure your Washer is running with sufficient water pressure. • Make sure the Detergent Selector dial is in the upper position when using granular detergent.
Vibrates or is too noisy.	• Make sure your Washer is set on a level surface. If the surface is not level, adjust your Washer feet to level the appliance. • Make sure that the shipping bolts are removed. • Make sure your Washer is not touching any other object. • Make sure the laundry load is balanced.
Stops	• Plug the power cord into a live electrical outlet. • Check the fuse or reset the circuit breaker. • Close the door and press the Start/Pause Button to start your Washer. For your safety, your Washer will not tumble or spin unless the door is closed. • Before your Washer starts to fill, it will make a series of clicking noises to check the door lock and do a quick drain. • There may be a pause or soak period in the cycle. Wait briefly and it may start. • Check the screens on the inlet hoses at the faucets for obstructions. Clean the screens periodically.

WF455AG-03159A_EN.indd Sec7:49 2012-04-13 11:59:27

troubleshooting

PROBLEM	SOLUTION
Fills with the wrong temperature water.	• Turn both faucets on fully. • Make sure the temperature selection is correct. • Make sure the hoses are connected to the correct faucets. Flush water lines. • Check the water heater. It should be set to deliver a minimum 120° F (49° C) hot water at the tap. Also check the water heater capacity and recovery rate. • Disconnect the hoses and clean the screens. The hose filter screens may be plugged. • As your Washer is filling, the water temperature may change as the automatic temperature control feature checks incoming water temperature. This is normal. • While your Washer is filling, you may notice just hot and/or just cold water going through the dispenser when cold or warm wash temperatures are selected. This is a normal function of the automatic temperature control feature as your Washer determines the temperature of the water.
Door locked or will not open.	• Press the Start/Pause Button to stop your Washer. • Your Washer door will remain locked during the heating portion of the Sanitize Cycle • It may take a few moments for the door lock mechanism to disengage.
Does not drain and/or spin.	• Check the fuse or reset the circuit breaker. • Straighten the drain hoses. Eliminate kinked hoses. If there is a drain restriction, call for service. • Close the door and press the Start/Pause Button. For your safety, your Washer will not tumble or spin unless the door is closed. • Make sure the debris filter is not clogged.
Load is too wet at the end of the cycle.	• Use the High or Extra High spin speed. • Use high efficiency detergent to reduce over–sudsing. • Load is too small. Very small loads (one or two items) may become unbalanced and not spin out completely.
Leaks water.	• Make sure the door is firmly closed. • Make sure all hose connections are tight. • Make sure the end of the drain hose is correctly inserted and secured to the drainage system. • Avoid overloading. • Use high efficiency detergent to prevent over–sudsing.
Has excessive suds.	• Use high efficiency detergent to prevent over-sudsing. • Reduce the detergent amount for soft water, small or lightly soiled loads. • Non-HE detergent is NOT recommended.

WF455AG-03159A_EN.indd Sec7:50 2012-04-13 11:59:27

INFORMATION CODES

Information codes may be displayed to help you better understand what is occurring with your washer.

ERROR CODE	MEANING & SOLUTION
dc	An unbalanced load that prevents your washer from spinning. Redistribute the load, press the Start/Pause button.
dS	The door is open when the washer is running. Close the door tightly and restart the cycle. If the code reappears, call customer service.
FL	Your washer failed to lock the door. Close the door tightly and restart the cycle. If the code reappears, call customer service.
Hr	A water temperature control problem. (Heater control problem) Call customer service.
LE	Your washer has tried to fill, but has not reached the proper water level. Call customer service.
LO	The door will not unlock. Make sure the door is firmly closed. Press the Power button to turn off your washer, then turn it on again. If the code reappears, call customer service.
nd	Your washer is not draining. This can also mean that the unit senses a small clog while draining. **1.** Turn off the unit for 10 seconds and then turn it on again. **2.** Select the Spin Only cycle. **3.** Press the Start/Pause to drain the water. If it still does not drain, call for service.
nF	Your washer has tried to fill but was unsuccessful. Make sure the water faucets are open all the way. Check for bent hoses. Check the inlet screens on the hoses. If you are using a Flood Safety Device, please remove the device and connect the water hoses directly to the unit. Check if the hot water supply hose is connected. You must connect the hot water supply hose because hot water is supplied by the Auto Temperature Control (A.T.C.) function if the temperature of the cold water is lower than 59°F.
nF1	The hot/cold water hose connection is not correct. Please connect the hot/cold water hose connection correctly.
OE	A fault is detected in the water level sensor. Call customer service.
1E	The Water Level sensor is not working properly. Call customer service.
E2	A jammed key. Call customer service.

WF455AG-03159A_EN.indd Sec7:51 2012-04-13 11:59:27

troubleshooting

ERROR CODE	MEANING & SOLUTION
tE	A temperature sensor problem. Restart the cycle. If the code reappears, call customer service.
3E	A motor problem. Restart the cycle. If the code reappears, call customer service.
2E	High/Low voltage detected. Restart the cycle. If the code reappears, call customer service.
AE	A Communication error between the SUB(Sensor) PBA and the MAIN PBA Call customer service.
AE4	A Communication error between the WIFI PBA and the MAIN PBA Call customer service.
AE3	A Communication error between the DR Module and the MAIN PBA Call customer service.
AE5	A Communication error between the LCD PBA and the MAIN PBA Call customer service.
8E	A MEMS sensor problem. Call customer service.
SF1 SF2 SF3	A system error Call customer service.
SUdS	Too many suds are detected during the wash session. The unit is put on hold until the amount of suds have been reduced. The unit will then go back to operating. When it finishes washing, the “End” and “SUdS” codes will blink in turn.

For any codes not listed above, call 1–800–726–7864 (1–800–SAMSUNG)

WF455AG-03159A_EN.indd Sec7:52 2012-04-13 11:59:27

NETWORK SETUP Q&A

QUESTION	ANSWER
The washer or dryer is not found in the smartphone app.	• Check the power status of the AP. • Check if the smartphone is connected with Wi-Fi. • Check if the Wi-Fi function of the washer or dryer is turned on. • To refresh the screen, press “Configure” again. • If the AP is installed too far away from the washer or dryer, the strength of the Wi-Fi signal may weak. In this case, move the AP closer to the washer or dryer.
The AP is not found on the washer or dryer.	• Check the power status of the AP. • Check if the Wi-Fi function of the washer or dryer is turned on. • To refresh the screen, press “Configure” again. • If the AP is installed too far away from the washer or dryer, the strength of the Wi-Fi signal may weak. In this case, move the AP closer to the washer or dryer. Ensure that the number of the displayed antenna bars are at least 3. • Since if the performance of the AP is low, it may not be found by the washer or dryer, use high performance AP if available.
There are more than one washer or dryer in the house. Do I have to install an AP for each of them?	• You can install only one AP. • I you want to one AP for each of the washer and dryer, select the corresponding AP for each of the products in the “Smart Washer” app. • When both washer and dryer are installed, they can be controlled through one AP.
Which AP is better?	• Since the washer or dryer is controlled through the AP from the inside or outside of the house, high performance AP is recommended. • Use an AP with Wi-Fi certification mark. • Since an AP with 2 or more antennas provides better performance, purchse and use the AP.
How can I check if the AP is out of order?	• Connect to the AP on a smartphone and check if you can connect to the Internet. If you can connect to the Internet, the AP is normal. • Check if the LED of the AP is blinking. If all the LEDs are turned off, it indicates that the power is turned off. • If the AP doesn’t seem to be working properly, request after-sales service.
The customer does not have a PC. Can the customer can use the indoor and outdoor control feature?	• If the Internet can be accessed inside of the house, the feature is available. However, you have to sign up the web site and resgister the product.
How many users can control a washer or dryer?	• Only if the “Smart Washer” app is authenticated, multiple users can control the washer or dryer.

WF455AG-03159A_EN.indd Sec7:53 2012-04-13 11:59:27

troubleshooting

QUESTION	ANSWER
Where are the proper place to install a washer or dryer?	• Since a washer or dryer is heavy and connected with water, it should be installed in the proper place. Installing the AP near the washer or dryer is recommended. You can check the signal strength through the setup screen of the washer or dryer or a smartphone. • Since the performance is seriously affected by a door or steel wall, install the product in an open place. If there is door in front of the installed product, open the door when using the product. • Do not place an object maden with steel or glass in front of the front LCD of the washer since it blocks the radio signal. • Note that the radio signal may be weaken or interfered and the communication with the smartphone may fail when a microwave oven is used in the house. • Install the washer or dryer so that the front of the product faces the AP if available.

How can I connect the washer or dryer with a smartphone stably?	• When the signal strenth that is displayed on the LCE of the washer or dryer is weak, the control may fail. Check the mark as follows or measure the signal strength.
	  • At least 3 antenna bars should be displayed on the LCD of the washer or dryer.
	  • At least 3 antenna bars for the Wi-Fi connection should be displayed on the smartphone.
	  • When the signal strenth is measured with a smartphone app that shows the Wi-Fi signal strength, the signal strength should be stronger than -65 dBm. (E.g. -60 dBm and -50 dBm are stronger than -65 dBm.)

What should I have to do when the number of the antenna bars that are displayed on the LCD of the washer or dryer is 1?	• When the signal strenth that is displayed on the LCE of the washer or dryer is weak, the control may fail. In this case, take the following measures for normal operation.
	  • Move the AP closer to the washer or dryer.
	  (At least 3 antenna bars should be dislayed in the network setup of the washer for proper operation.)
	  • Since old AP may provide lower performance, use new one if available.
	  • Stand the antenna of the AP if available so that the radio signal is more easily propagated.

WF455AG-03159A_EN.indd Sec7:54 2012-04-13 11:59:27

FABRIC CARE CHART

The following symbols provide garment care direction. The Clothing care labels include symbols for washing, bleaching, drying and ironing, or dry cleaning when necessary. The use of symbols ensures consistency among garment manufacturers of domestic and imported items. Follow care label directions to maximize garment life and reduce laundering problems.

Wash Cycle		Special Instructions		Warning Symbols for Laundering	
	Normal		Line Dry/ Hang to Dry		Do Not Wash
	Permanent Press / Wrinkle Resistant / Wrinkle Control		Drip Dry		Do Not Wring
	Gentle/Delicates		Dry Flat		Do Not Bleach
	Hand Wash	**Heat Setting**			Do Not Tumble Dry
Water Temperature**			High		No Steam (added to iron)
●●●	Hot		Medium		Do Not Iron
●●	Warm		Low	**Dryclean**	
●	Cold		Any Heat		Dry Clean
Bleach			No Heat/Air		Do Not Dry Clean
	Any Bleach (when needed)	**Iron-Dry or Steam Temperatures**			Line Dry/ Hang to Dry
	Only Non-Chlorine (color-safe) Bleach (when needed)		High		Drip Dry
	Tumble Dry Cycle		Medium		Dry Flat
Normal			Low		For machine-washable wool. Loads should be under 8 pounds.
	Permanent Press/ Wrinkle Resistant/ Wrinkle Control				
	Gentle/ Delicates				

** The dot symbols represent appropriate wash water temperatures for various items. The temperature range for Hot is 105° - 125° F/ 41° - 52°C, for Warm 85° - 105° F/29° - 41° C and for Cold 60° - 85° F/16° - 29° C. (Wash water temperature must be a minimum of 60° F/16°C for detergent activation and effective cleaning.) The clothes Washer may not ensure these temperatures because the actual water temperatures entering your Washer are dependent on water heater settings and regional water supply temperatures. For example, cold water entering the home in the northern states during winter may be 40° F/4° C which is too cold for effective cleaning. The water temperature in this situation will need to be adjusted by selecting a warm setting, adding some hot water to the MAX FILL line or using your Washer's heating option, if available.

WF455AG-03159A_EN.indd Sec8:55 2012-04-13 11:59:27

appendix

CYCLE CHART

Use this chart to set the best cycle and option for you laundry.

(●: Factory setting, O: Selectable, x: Not available)

Course	Functions									
	Temp.					Spin				
	Extra Hot	Hot	Warm	Eco Warm	Cold	Extra High	High	Medium	Low	No Spin
Normal	X	O	●	O	O	O	●	O	O	O
Heavyduty	X	●	O	O	O	●	O	O	O	O
Perm Press	X	X	●	O	O	X	O	O	●	O
Sanitize	●	X	X	X	X	●	O	O	O	O
Bedding Plus	X	X	●	O	O	X	X	O	●	O
Deep Steam	X	●	X	X	X	O	●	O	O	O
Rinse + Spin	X	X	X	X	●	O	●	O	O	O
Spin only	X	X	X	X	X	O	●	O	O	O
Quick Wash	X	O	●	O	O	O	●	O	O	O
Wool	X	X	●	O	O	X	X	X	●	O
Delicates/Hand wash	X	X	O	O	●	X	X	X	●	O
Stain Away	X	O	●	O	O	O	●	O	O	O
Active Wear	X	X	●	O	O	X	X	O	●	O
eco Cold	X	X	X	X	●	O	●	O	O	O
Pure Cycle	●	X	X	X	X	X	X	X	●	X

WF455AG-03159A_EN.indd Sec8:56 2012-04-13 11:59:28

CYCLE CHART

Use this chart to set the best cycle and option for you laundry.

(●: Factory setting, O: Selectable, x: Not available)

Course	Functions					Options					
	Soil Level					Extra Rinse	Extra Spin	My Cycle	Pre Wash	Delay Start	Steam
	Extra Heavy (Heavy)	Heavy (▲)	Normal	Light (▼)	Extra Light (Light)						
Normal	O	O	●	O	O	O	O	O	O	O	O
Heavyduty	●	O	O	O	O	O	O	O	●	O	O
Perm Press	O	O	●	O	O	O	O	O	O	O	X
Sanitize	O	O	●	O	O	O	O	O	O	O	O
Bedding Plus	O	O	●	O	O	O	O	O	O	O	O
Deep Steam	●	X	X	X	X	O	O	O	O	O	●
Rinse + Spin						O	O	O	X	O	X
Spin only						X	O	O	X	O	X
Quick Wash	O	O	O	O	●	O	X	O	X	O	X
Wool	X	X	●	X	X	X	X	O	X	O	X
Delicates/Hand wash	O	O	●	O	O	O	X	O	X	O	X
Stain Away	●	O	O	O	O	O	O	O	O	O	O
Active Wear	O	O	●	O	O	O	O	O	O	O	X
eco Cold	X	X	●	O	O	O	O	O	O	O	X
Pure Cycle						X	X	O	X	O	X

WF455AG-03159A_EN.indd Sec8:57 2012-04-13 11:59:28

appendix

HELPING THE ENVIRONMENT

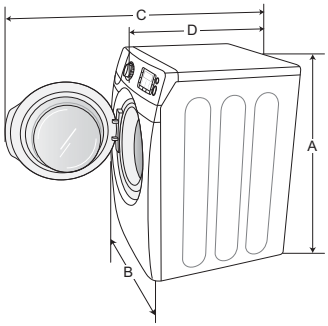
- Your Washer is manufactured from recyclable materials. If you decide to dispose of it, please observe local waste disposal regulations. Cut off the power cord so that the appliance cannot be connected to a power source. Remove the door so that animals and small children cannot get trapped inside the appliance.
- Do not exceed the detergent quantities recommended in the detergent manufacturers' instructions.
- Use stain removal products and bleaches before the wash cycle only when necessary.
- Save water and electricity by only washing full loads (the exact amount depends upon the program used).

DECLARATION OF CONFORMITY

This appliance complies with UL2157.

SPECIFICATION

TYPE	FRONT LOADING WASHER		
DIMENSIONS	Div	Inches (mm)	
	A. Height-Overall	38.7" (984)	
	B. Width	27" (686)	
	C. Depth with door open 90°	51.2"(1300)	
	D. Depth	34.1"(865)	



WATER PRESSURE		20-116psi(137-800kPa)	
WEIGHT		105kg (231.5lb)	
HEATER RATING		900 W	
POWER CONSUMPTION	WASHING	120 V	200 W
	WASHING AND HEATING	120 V	1150 W
	SPIN	120 V	550 W
	DRAIN	120 V	80 W
SPIN REVOLUTION	WF455ARG***	1300 rpm	

WF455AG-03159A_EN.indd Sec8:58 2012-04-13 11:59:28

OPEN SOURCE ANNOUNCEMENT

The software included in this product contains copyrighted software that is licensed under the GPL/LGPL. You may obtain the complete Corresponding Source code from us for a period of three years after our last shipment of this product by sending email to:

oss.request@samsung.com

If you want to obtain the complete Corresponding Source code in the physical medium such as CD-ROM, the cost of physically performing source distribution may be charged.
This offer is valid to anyone in receipt of this information.

GPL Software:
Bridge-Utils, BusyBox, DNRD, dosfstools, iproute2, IPTables, Linux Kernel, ntpclient, Open1x, RSDK toolchain, rtl819x - Bootloader, samba, squashfs, udhcp Server-Client Package, USB-ModeSwitch, wireless-tools

LGPL Software:
libnl-Netlink Library, Mini-XML

GNU GENERAL PUBLIC LICENSE

Version 2, June 1991
Copyright (C) 1989, 1991 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301, USA

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Lesser General Public License instead.)

You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any

WF455AG-03159A_EN.indd Sec8:59 2012-04-13 11:59:28

problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

1. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

2. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

3. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

1) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.
2) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.
3) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written

WF455AG-03159A_EN.indd Sec8:60 2012-04-13 11:59:28

entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

4. 3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

1) Accompany it with the complete corresponding machinereadable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,
2) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or, c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source

along with the object code.

5. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

6. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

7. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

8. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then

WF455AG-03159A_EN.indd Sec8:61 2012-04-13 11:59:28

as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

9. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

10. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and “any later version”, you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

11. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

12. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM “AS IS” WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

13. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOV E , BE L I ABL E TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO

WF455AG-03159A_EN.indd Sec8:62 2012-04-13 11:59:28

OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

one line to give the program's name and an idea of what it does.

Copyright (C) yyyy name of author

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301, USA.

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'. This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program. You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision' (which makes passes at compilers) written by James Hacker.

signature of Ty Coon, 1 April 1989

Ty Coon, President of Vice

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License.

GNU LESSER GENERAL PUBLIC LICENSE

Version 2.1, February 1999

Copyright (C) 1991, 1999 Free Software Foundation, Inc.

51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is

WF455AG-03159A_EN.indd Sec8:63 2012-04-13 11:59:28

not allowed.

[This is the first released version of the Lesser GPL. It also counts as the successor of the GNU Library Public License, version 2, hence the version number 2.1.]

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some specially designated software packages--typically libraries--of the Free Software Foundation and other authors who decide to use it. You can use it too, but we suggest you first think carefully about whether this license or the ordinary General Public License is the better strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish); that you receive source code or can get it if you want it; that you can change the software and use pieces of it in new free programs; and that you are informed that you can do these things.

To protect your rights, we need to make restrictions that forbid distributors to deny you these rights or to ask you to surrender these rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into nonfree programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries.

However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free

WF455AG-03159A_EN.indd Sec8:64 2012-04-13 11:59:28

programs must be allowed to use the library.

A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in nonfree programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

1. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it).

Whether that is true depends on what the Library does and what the program that uses the Library does.

2. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

3. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

1) The modified work must itself be a software library.

2) You must cause the files modified to carry prominent notices stating that you changed

WF455AG-03159A_EN.indd Sec8:65 2012-04-13 11:59:28

the files and the date of any change.

3) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

4) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.
(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it. Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library. In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

4. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

5. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

6. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a “work that uses the Library”. Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a “work that uses the Library” with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a “work that uses the library”. The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a “work that uses the Library” uses material from a header file that is part of the

WF455AG-03159A_EN.indd Sec8:66 2012-04-13 11:59:28

Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.) Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

7. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

1) Accompany the work wi th the complet e corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)
2) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interfacecompatible with the version that the work was made with.
3) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.
4) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.
5) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

8. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library

WF455AG-03159A_EN.indd Sec8:67 2012-04-13 11:59:28

and of the other library facilities is otherwise permitted, and provided that you do these two things:

1) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.
2) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

9. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License.

However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

10. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.

11. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties with this License.

12. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices.

Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

13. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

14. The Free Software Foundation may publish revised and/or new versions of the Lesser General Public License from time to time. Such new versions will be similar in spirit to the

WF455AG-03159A_EN.indd Sec8:68 2012-04-13 11:59:28

present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number.

If the Library specifies a version number of this License which applies to it and “any later version”, you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

15. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

16. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY “AS IS” WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

17. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRI T ING WI L L ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Libraries If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the “copyright” line and a pointer to where the full notice is found.

one line to give the library’s name and an idea of what it does.

Copyright (C) year name of author

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU

WF455AG-03159A_EN.indd Sec8:69 2012-04-13 11:59:28

Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public License along with this library; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names: Yoyodyne, Inc., hereby disclaims all copyright interest in the library `Frob' (a library for tweaking knobs) written by James Random Hacker.

signature of Ty Coon, 1 April 1990
Ty Coon, President of Vice
That's all there is to it!

BSD LICENSE

flex: the fast lexical analyser
Copyright (c) 2001, 2002, 2003, 2004, 2005, 2006, 2007
The Flex Project.
Copyright (c) 1990, 1997 The Regents of the University of California. All rights reserved.
LibNet License
Copyright (c) 1998 - 2001 Mike D. Schiffman <mike@infonexus.com>
PPP/ Debian
Copyright (c) 1989 Regents of the University of California. All rights reserved.
Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. Neither the name of the <organization> nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL <COPYRIGHT HOLDER> BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

WF455AG-03159A_EN.indd Sec8:70 2012-04-13 11:59:28

OPENSSL

This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. (http://www.openssl.org/)

This product includes cryptographic software written by Eric Young (eay@cryptsoft.com)

LICENSE ISSUES

==========

The OpenSSL toolkit stays under a dual license, i.e. both the conditions of the OpenSSL License and the original SSLeay license apply to the toolkit. See below for the actual license texts. Actually both licenses are BSD-style Open Source licenses. In case of any license issues related to OpenSSL please contact openssl-core@openssl.org.

OpenSSL License

==========

Copyright (c) 1998-2008 The OpenSSL Project. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. All advertising materials mentioning features or use of this software must display the following acknowledgment: “This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. (http://www.openssl.org/)”
4. The names “OpenSSL Toolkit” and “OpenSSL Project” must not be used to endorse or promote products derived from this software without prior written permission. For written permission, please contact openssl-core@openssl.org.
5. Products derived from this software may not be called “OpenSSL” nor may “OpenSSL” appear in their names without prior written permission of the OpenSSL Project.
6. Redistributions of any form whatsoever must retain the following acknowledgment:
   “This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit (http://www.openssl.org/)”

THIS SOFTWARE IS PROVIDED BY THE OpenSSL PROJECT “AS IS” AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE OpenSSL PROJECT OR ITS CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

==========

This product includes cryptographic software written by Eric Young (eay@cryptsoft.com). This product includes software written by Tim Hudson (tjh@cryptsoft.com).

WF455AG-03159A_EN.indd Sec8:71 2012-04-13 11:59:28

warranty (U.S.A)

WARRANTY

SAMSUNG WASHER

LIMITED WARRANTY TO ORIGINAL PURCHASER

This SAMSUNG brand product, as supplied and distributed by SAMSUNG ELECTRONICS AMERICA, INC. (SAMSUNG) and delivered new, in the original carton to the original consumer purchaser, is warranted by SAMSUNG against manufacturing defects in materials and workmanship for a limited warranty period of:

One (1) year part and labor, Two (2) years Control Board Parts, Three (3) years stainless tub part, Ten (10) years washing motor part

This limited warranty begins on the original date of purchase, and is valid only on products purchased and used in the United States. To receive warranty service, the purchaser must contact SAMSUNG for problem determination and service procedures. Warranty service can only be performed by a SAMSUNG authorized service center. The original dated bill of sale must be presented upon request as proof of purchase to SAMSUNG or SAMSUNG's authorized service center. SAMSUNG will provide in-home service during the warranty period at no charge, subject to availability within the contiguous United States. In-home service is not available in all areas.

To receive in-home service, product must be unobstructed and accessible to the service agent. If service is not available, SAMSUNG may elect to provide transportation of the product to and from an authorized service center.

SAMSUNG will repair, replace, or refund this product at our option and at no charge as stipulated herein, with new or reconditioned parts or products if found to be defective during the limited warranty period specified above. All replaced parts and products become the property of SAMSUNG and must be returned to SAMSUNG. Replacement parts and products assume the remaining original warranty, or ninety (90) days, whichever is longer.This limited warranty covers manufacturing defects in materials and workmanship encountered in normal, noncommercial use of this product and shall not apply to the following: damage that occurs in shipment; delivery and installation; applications and uses for which this product was not intended; altered product or serial numbers; cosmetic damage or exterior finish; accidents, abuse, neglect, fire, water, lightning, or other acts of nature or God; use of products, equipment, systems, utilities, services, parts, supplies, accessories, applications, installations, repairs, external wiring or connectors not supplied or authorized by SAMSUNG that damage this product or result in service problems; incorrect electrical line voltage, fluctuations and surges; customer adjustments and failure to follow operating instructions, maintenance and environmental instructions that are covered and prescribed in the instruction book; product removal and reinstallation; problems caused by pest infestations. This limited warranty does not cover problems resulting from incorrect electric current, voltage or supply, light bulbs, house fuses, house wiring, cost of a service call for instructions, or fixing installation errors. SAMSUNG does not warrant uninterrupted or error-free operation of the product.

WF455AG-03159A_EN.indd Sec10:72 2012-04-13 11:59:28

EXCEPT AS SET FORTH HEREIN, THERE ARE NO WARRANTIES ON THIS PRODUCT EITHER EXPRESS OR IMPLIED, AND SAMSUNG DISCLAIMS ALL WARRANTIES INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTIES OF MERCHANTABILITY, INFRINGEMENT OR FITNESS FOR A PARTICULAR PURPOSE.

NO WARRANTY OR GUARANTEE GIVEN BY ANY PERSON, FIRM, OR CORPORATION WITH RESPECT TO THIS PRODUCT SHALL BE BINDING ON SAMSUNG. SAMSUNG SHALL NOT BE LIABLE FOR LOSS OF REVENUE OR PROFITS, FAILURE TO REALIZE SAVINGS OR OTHER BENEFITS, OR ANY OTHER SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES CAUSED BY THE USE, MISUSE, OR INABILITY TO USE THIS PRODUCT, REGARDLESS OF THE LEGAL THEORY ON WHICH THE CLAIM IS BASED, AND EVEN IF SAMSUNG HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

NOR SHALL RECOVERY OF ANY KIND AGAINST SAMSUNG BE GREATER IN AMOUNT THAN THE PURCHASE PRICE OF THE PRODUCT SOLD BY SAMSUNG AND CAUSING THE ALLEGED DAMAGE. WITHOUT LIMITING THE FOREGOING, PURCHASER ASSUMES ALL RISK AND LIABILITY FOR LOSS, DAMAGE, OR INJURY TO PURCHASER AND PURCHASER'S PROPERTY AND TO OTHERS AND THEIR PROPERTY ARISING OUT OF THE USE, MISUSE, OR INABILITY TO USE THIS PRODUCT. THIS LIMITED WARRANTY SHALL NOT EXTEND TO ANYONE OTHER THAN THE ORIGINAL PURCHASER OF THIS PRODUCT, IS NONTRANSFERABLE AND STATES YOUR EXCLUSIVE REMEDY.

Some states do not allow limitations on how long an implied warranty lasts, or the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you. This warranty gives you specific rights, and you may also have other rights, which vary from state to state.

To obtain warranty service, please contact SAMSUNG at:

SAMSUNG ELECTRONICS AMERICA, INC.

85 CHALLENGER ROAD RIDGEFIELD PARK, NJ 07660

1-800-SAMSUNG(726-7864)

www.samsung.com

WF455AG-03159A_EN.indd Sec10:73 2012-04-13 11:59:28

warranty(CANADA)

SAMSUNG WASHER

LIMITED WARRANTY TO ORIGINAL PURCHASER

This SAMSUNG brand product, as supplied and distributed by SAMSUNG ELECTRONICS CANADA, INC. (SAMSUNG) and delivered new, in the original carton to the original consumer purchaser, is warranted by SAMSUNG against manufacturing defects in materials and workmanship for a limited warranty period of:

One (1) year part and labor, Ten (10) years washing motor part

This limited warranty begins on the original date of purchase, and is valid only on products purchased and used in the Canada. To receive warranty service, the purchaser must contact SAMSUNG for problem determination and service procedures. Warranty service can only be performed by a SAMSUNG authorized service center. The original dated bill of sale must be presented upon request as proof of purchase to SAMSUNG or SAMSUNG's authorized service center. SAMSUNG will provide in-home service during the warranty period at no charge, subject to availability within the Canada. In-home service is not available in all areas.

To receive in-home service, product must be unobstructed and accessible to the service agent. If service is not available, SAMSUNG may elect to provide transportation of the product to and from an authorized service center.

SAMSUNG will repair, replace, or refund this product at our option and at no charge as stipulated herein, with new or reconditioned parts or products if found to be defective during the limited warranty period specified above. All replaced parts and products become the property of SAMSUNG and must be returned to SAMSUNG. Replacement parts and products assume the remaining original warranty, or ninety (90) days, whichever is longer.This limited warranty covers manufacturing defects in materials and workmanship encountered in normal, noncommercial use of this product and shall not apply to the following: damage that occurs in shipment; delivery and installation; applications and uses for which this product was not intended; altered product or serial numbers; cosmetic damage or exterior finish; accidents, abuse, neglect, fire, water, lightning, or other acts of nature or God; use of products, equipment, systems, utilities, services, parts, supplies, accessories, applications, installations, repairs, external wiring or connectors not supplied or authorized by SAMSUNG that damage this product or result in service problems; incorrect electrical line voltage, fluctuations and surges; customer adjustments and failure to follow operating instructions, maintenance and environmental instructions that are covered and prescribed in the instruction book; product removal and reinstallation; problems caused by pest infestations. This limited warranty does not cover problems resulting from incorrect electric current, voltage or supply, light bulbs, house fuses, house wiring, cost of a service call for instructions, or fixing installation errors. SAMSUNG does not warrant uninterrupted or error-free operation of the product.

WF455AG-03159A_EN.indd Sec10:74 2012-04-13 11:59:29

EXCEPT AS SET FORTH HEREIN, THERE ARE NO WARRANTIES ON THIS PRODUCT EITHER EXPRESS OR IMPLIED, AND SAMSUNG DISCLAIMS ALL WARRANTIES INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTIES OF MERCHANTABILITY, INFRINGEMENT OR FITNESS FOR A PARTICULAR PURPOSE.

NO WARRANTY OR GUARANTEE GIVEN BY ANY PERSON, FIRM, OR CORPORATION WITH RESPECT TO THIS PRODUCT SHALL BE BINDING ON SAMSUNG. SAMSUNG SHALL NOT BE LIABLE FOR LOSS OF REVENUE OR PROFITS, FAILURE TO REALIZE SAVINGS OR OTHER BENEFITS, OR ANY OTHER SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES CAUSED BY THE USE, MISUSE, OR INABILITY TO USE THIS PRODUCT, REGARDLESS OF THE LEGAL THEORY ON WHICH THE CLAIM IS BASED, AND EVEN IF SAMSUNG HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

NOR SHALL RECOVERY OF ANY KIND AGAINST SAMSUNG BE GREATER IN AMOUNT THAN THE PURCHASE PRICE OF THE PRODUCT SOLD BY SAMSUNG AND CAUSING THE ALLEGED DAMAGE. WITHOUT LIMITING THE FOREGOING, PURCHASER ASSUMES ALL RISK AND LIABILITY FOR LOSS, DAMAGE, OR INJURY TO PURCHASER AND PURCHASER'S PROPERTY AND TO OTHERS AND THEIR PROPERTY ARISING OUT OF THE USE, MISUSE, OR INABILITY TO USE THIS PRODUCT. THIS LIMITED WARRANTY SHALL NOT EXTEND TO ANYONE OTHER THAN THE ORIGINAL PURCHASER OF THIS PRODUCT, IS NONTRANSFERABLE AND STATES YOUR EXCLUSIVE REMEDY.

Some provinces do not allow limitations on how long an implied warranty lasts, or the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you. This warranty gives you specific rights, and you may also have other rights, which vary from province to province.

To obtain warranty service, please contact SAMSUNG at:

Samsung Electronics Canada Inc.,

Customer Service 55 Standish Court Mississauga, Ontario L5R 4B2 Canada

1-800-SAMSUNG (726-7864)

www.samsung.com/ca

www.samsung.com/ca_fr (French)

WF455AG-03159A_EN.indd Sec10:75 2012-04-13 11:59:29

SAMSUNG

Scan this with your smartphone

Scan the QR code* or visit
www.samsung.com/spsn
to view our helpful
How-to Videos and Live Shows

*Requires reader to be installed on your smartphone

QUESTIONS OR COMMENTS?

COUNTRY	CALL	OR VISIT US ONLINE AT
U.S.A	1-800-SAMSUNG(726-7864)	www.samsung.com
MEXICO	01-800-SAMSUNG(726-7864)	www.samsung.com
CANADA	1-800-SAMSUNG(726-7864)	www.samsung.com/ca www.samsung.com/ca_fr (French)

Code No. DC68-03159A-01 _EN